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Low-Voltage Power Distribution and Electrical Installation Technology

Air Circuit Breakers

Catalog Extract LV 10

Edition 10/2018

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SENTRON • SIVACON • ALPHA
Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems

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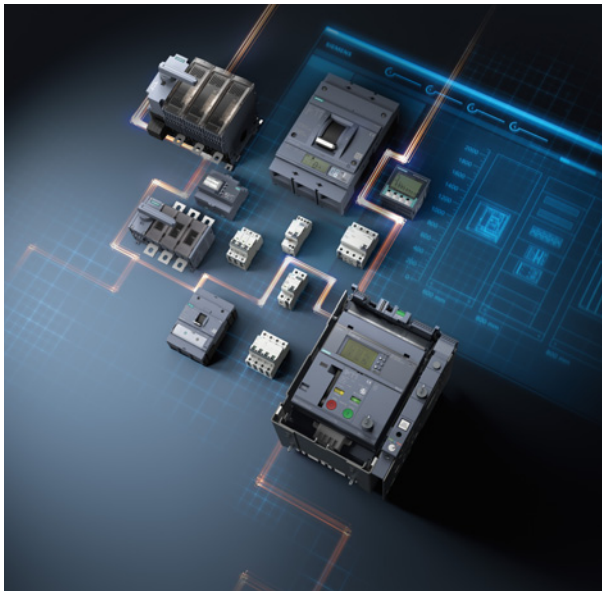
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Low-Voltage Power Distribution and Electrical Installation Technology

Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems

SENTRON · SIVACON · ALPHA



Catalog LV 10 · 10/2018

Supersedes:
Catalog LV 10 · 04/2018

Refer to the Industry Mall for current updates of this catalog:
www.siemens.com/industrymall

The products in this catalog can also be found in the Interactive Catalog CA 01.
Article No.: E86060-D4001-A510-D8-7500

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Protection, Switching, Measuring and Monitoring Devices

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Opening information

Ordering notes

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Ordering special versions

When ordering products that differ from the standard versions listed in the catalog, **"–Z"** must be added to the Article No. indicated and the required features must be specified using alphanumeric order codes or plain text.

Ordering very small quantities

When very small orders are placed, the costs associated with order processing are greater than the order value. We therefore recommend that you combine several small orders. Where this is not possible, we regret that we are obliged to make a small processing charge: for orders with a net goods value of less than € 250 we charge a € 20 supplement to cover our order processing and invoicing costs.

Explanations of Selection and ordering data

Standard delivery time (SD)

► Preferred type — Preferred types are device types that can be delivered immediately ex works, i.e. they are dispatched within 24 hours.

Price units (PU)

The price unit defines the number of units, sets or meters to which the specified price applies.

Packaging size (PS)

The packaging size defines the number of units, sets or meters, for example, for outer packaging.

Only the quantity defined by the packaging size or a multiple thereof can be ordered.

Price group (PG)

Each product is allocated to a price group.

Example

5TT3400

SD: Preferred type
PG: 13C
Ordering quantity 1 unit or a multiple thereof

8US1923-5CA02

PG: 14O
Ordering quantity 10 units or a multiple thereof

8WH9000-1GA00

PG: 12X
Ordering quantity 50 units or a multiple thereof

SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
►	**5TT3400**		1	1 unit	1BK
	8US1923-5CA02		1	10 units	1CU
	8WH9000-1GA00		100	50 units	1BT

Note:

The article numbers shown here and the specifications regarding selection and ordering data are examples only. When ordering, always use the selection and ordering data in the product chapters.

Metal surcharges/export markings

To compensate fluctuating prices of raw materials (for example silver, copper, aluminum, lead, gold, dysprosium and neodymium), surcharges are calculated on a daily basis for products containing these raw materials using the metal factor.
A surcharge for the particular raw material is added to the price of a product if the basic quotations for this raw material are exceeded.

Each product's metal factor dictates for which raw materials the metal surcharges are calculated, from which quotation and with which calculation method (weight or percentage method).

An exact explanation of the metal factor can be found at:
www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

A product's export markings/metal surcharges are updated daily at www.siemens.com/industrymall.

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3WL11-13 air circuit breakers/ non-automatic air circuit breakers

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Up to 6300 A (AC), IEC

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Up to 4000 A (DC), IEC

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1/79 3 and 4-pole, fixed-mounted versions
1/80 3 and 4-pole, withdrawable versions
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Ch. 8 **3KC ATC6300 and ATC3100 transfer control devices**

3WL10 air circuit breakers/ non-automatic air circuit breakers NEW

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Size 0 for AC up to 1250 A

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For further technical product information:

Configuration Manual

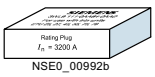
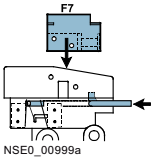
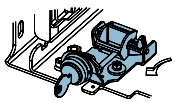
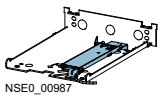
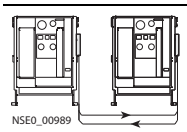
Air Circuit Breakers
Article No.: 3ZW1012-3WL11-0AC1

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Characteristic
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Software archive
Technical data

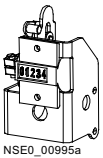
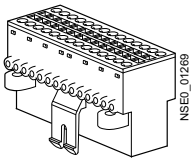
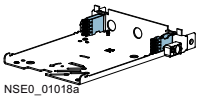
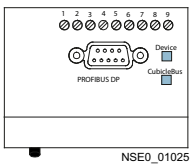
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Overview

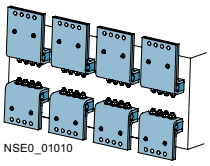
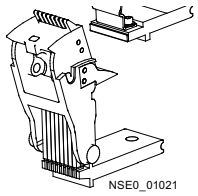
Devices		Page 3WL1	Application/ individual components	Standards	Used in Non-residential buildings	Residential buildings	Industry
	**3WL1 air circuit breakers/non-automatic air circuit breakers up to 6300 A (AC), IEC**	1/20 ... 1/47	As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations. For switching and protecting motors, capacitors, generators, transformers, busbars and cables.	IEC 60947-2, climate-proof acc. to IEC 60068-2-30 CCC	✓	--	✓
	**3WL1 non-automatic air circuit breakers up to 4000 A (DC), IEC**	1/79 ... 1/81	As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations. For switching and protecting busbars and cables.	IEC 60947-2, climate-proof acc. to IEC 60068-2-30 CCC	✓	--	✓
	Protective device with device holder and optional metering function (ETU)	1/62	Electronic Trip Units with protection functions LI, LSI, LSING, LSIN(G) with and without metering function *Plus*	As for circuit breakers	✓	--	✓
 NSE0_00992b	**Rating plugs**	1/62	For rated current I_n from 250 A to 6300 A. The maximum rated current of the circuit breaker must not be exceeded.	As for circuit breakers	✓	--	✓
 NSE0_01027a	**Ground-fault modules**	1/62	With alarm and tripping	As for circuit breakers	✓	--	✓
 NSE0_01609	**Displays**	1/62	4-line displays for ETU45B	As for circuit breakers	✓	--	✓
 NSE0_00990a	**Current transformers for N conductor protection**	1/62	Internal transformers for N conductors, external transformers for N conductors	As for circuit breakers	✓	--	✓
	EMC filters	1/62	Common-mode interference suppressor filters	As for circuit breakers	✓	--	✓
 NSE0_00999a	**More accessories for Electronic Trip Units**	1/63	Sealable and lockable covers, automatic reset of the reclosing lockout, remote reset solenoid, retrofittable internal **Cubicle**BUS wiring, retrofittable internal wiring for connection of the external N and G transformers	As for circuit breakers	✓	--	✓
 NSE0_00982	**Locking devices**	1/63	Interlocking set for mechanical ON/OFF, locking devices against unauthorized closing in operator panels/for withdrawable circuit breakers, locking devices for operating mechanism handle with padlock, locking devices to prevent movement of the withdrawable circuit breakers, interlocking systems	As for circuit breakers	✓	--	✓
 NSE0_00987	**Locking mechanisms**	1/64	To prevent movement of the withdrawable circuit breakers into disconnected position, to prevent opening of the cabinet door in ON position, to prevent opening of the cabinet door, to prevent movement with the cabinet door open	As for circuit breakers	✓	--	✓
 NSE0_00989	**Interlocks**	1/65	Mechanical interlocking, couplings on the circuit breaker (with ring) for mutual interlocking, Bowden cable	As for circuit breakers	✓	--	✓

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Devices		Page 3WL1	Application/ individual components	Standards	Used in		
					Non-residential buildings	Residential buildings	Industry
	**3KC ATC6300 and ATC3100 transfer control devices**	Ch. 8	The 3KC ATC6300 and ATC3100 transfer control devices, equipped with two circuit breakers with motorized operating mechanism, serve as a transfer system that automatically or manually switches between two power supply systems in low-voltage power distribution applications.	IEC 60947-6-1 DIN VDE 0660-114 UL 508 CSA 22.2 No. 14	✓	✓	✓
	Test devices	1/65	Manual testers Release 2 for Electronic Trip Units, function testers	As for circuit breakers	✓	--	✓
	Capacitor storage devices	1/65	For shunt releases	As for circuit breakers	✓	--	✓
 NSE0_00995a	**Indicators, control elements**	1/66	Ready-to-close signaling switches, signaling switches, tripped signaling switches, operating cycles counters, spring charged signaling switches, position signaling switches for guide frames, electrical ON buttons, motor shutdown switches, EMERGENCY-STOP buttons	As for circuit breakers	✓	--	✓
 NSE0_01269	**Auxiliary conductor connections**	1/67	Male connectors for circuit breakers, extension for 1000 V male connector versions, male connectors and extension for 1000 V, auxiliary supply connectors for circuit breakers or guide frames, coding kits, sliding contact modules for guide frames, blanking blocks for circuit breakers	As for circuit breakers	✓	--	✓
	Auxiliary releases	1/68	Closing coils/shunt releases, undervoltage releases	As for circuit breakers	✓	--	✓
	Operating mechanisms	1/68	Motorized operating mechanism	As for circuit breakers	✓	--	✓
	Auxiliary contacts	1/68	Auxiliary switch blocks	As for circuit breakers	✓	--	✓
	Door sealing frames, hoods, shutters	1/69	Door sealing frames, IP55 protective covers, shutters	As for circuit breakers	✓	--	✓
	Arc chutes	1/69	Arc chutes, arc chute covers	As for circuit breakers	✓	--	✓
	Coding for withdrawable version	1/69	By customer, for 36 coding variants	As for circuit breakers	✓	--	✓
 NSE0_01018a	**Grounding connection**	1/70	Grounding connection between the guide frame and the withdrawable circuit breaker, contacting modules for withdrawable circuit breakers	As for circuit breakers	✓	--	✓
	Support brackets	1/70	For mounting fixed-mounted circuit breakers on vertical plane	As for circuit breakers	✓	--	✓
	CubicleBUS modules	1/70	Digital and analog input and output modules, Zone Selective Interlocking modules	As for circuit breakers	✓	--	✓
	Parameterization systems	1/70	powerconfig commissioning and service software	As for circuit breakers	✓	--	✓
	Accessories for communication	1/71	Pre-assembled cables for **Cubicle**BUS modules, SENTRON manual for communication solutions, voltage transformers	As for circuit breakers	✓	--	✓
 NSE0_01025	**Retrofitting and spare parts**	1/71	PROFIBUS retrofit kits, COM15 PROFIBUS modules, COM16 MODBUS modules, MODBUS IEC retrofit kits, Breaker Status Sensor (BSS), metering function *Plus*	As for circuit breakers	✓	--	✓

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Devices		Page	Application/ individual components	Standards	Used in		
		3WL1			Non-residential buildings	Residential buildings	Industry
 NSE0_01010	**Main conductor connections, fixed-mounted, main conductor connections, withdrawable**	1/72, 1/73	Front-accessible main connections with double or single hole, rear vertical main connections, rear horizontal main connections, circuit connecting flanges, supports for front and DIN connecting bars	As for circuit breakers	✓	--	✓
	Conversion sets	1/74	Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers	As for circuit breakers	✓	--	✓
 NSE0_01021	**Main contact elements**	1/74	For replacement of the main contacts during maintenance and thus to boost the useful life of the breaker.	As for circuit breakers	✓	--	✓

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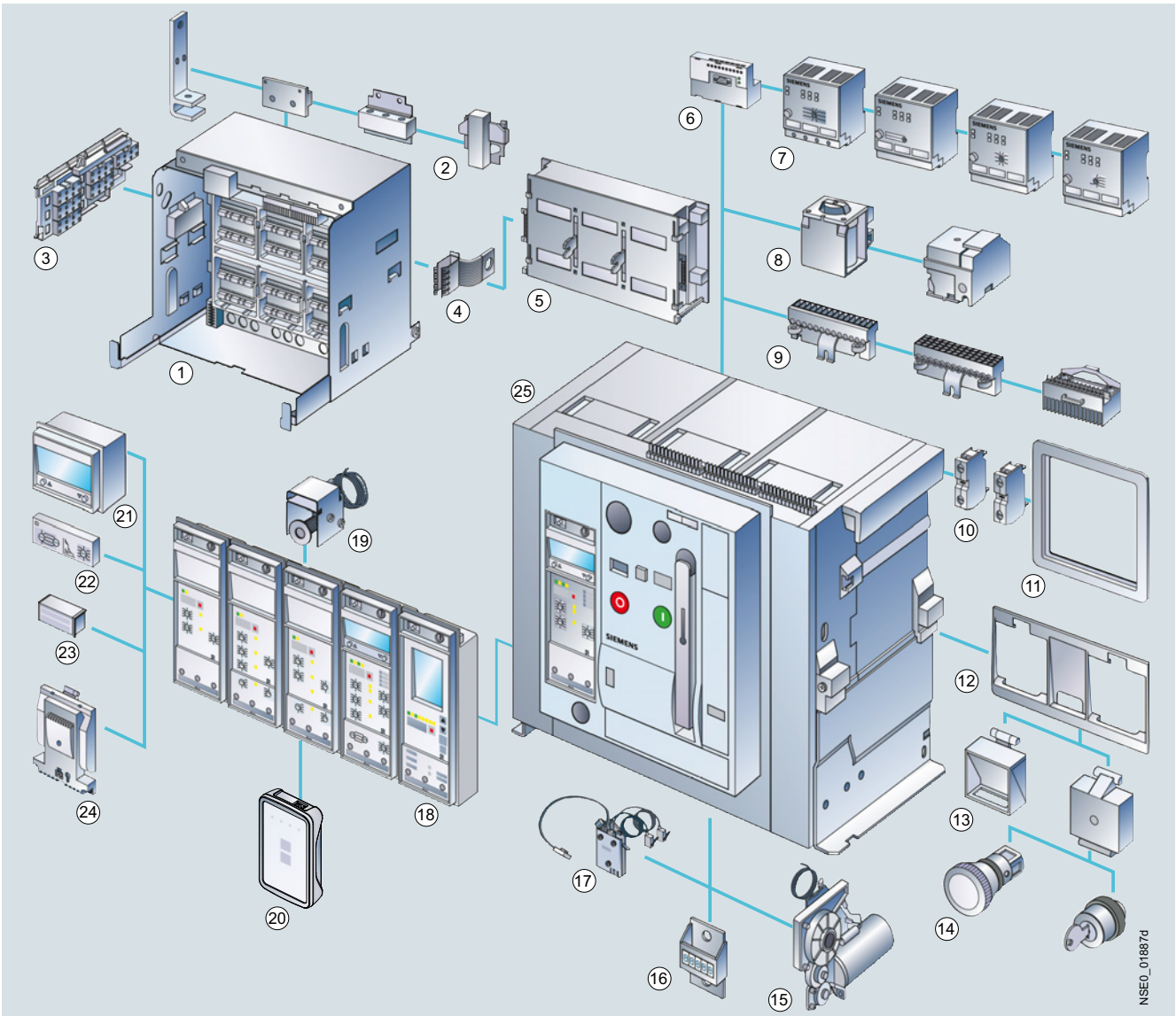
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	**3WL10 non-automatic air circuit breakers**	1/110
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	**Installed/mounted optional mechanical accessories**	1/121
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Introduction

Overview

3WL1 air circuit breakers offer highly flexible application and consistent communication capability. With the 3WL1 circuit breakers, just three sizes cover a performance range of 630 A to 6300 A. All models are characterized by the same design, the same operation and the same comprehensive accessories.



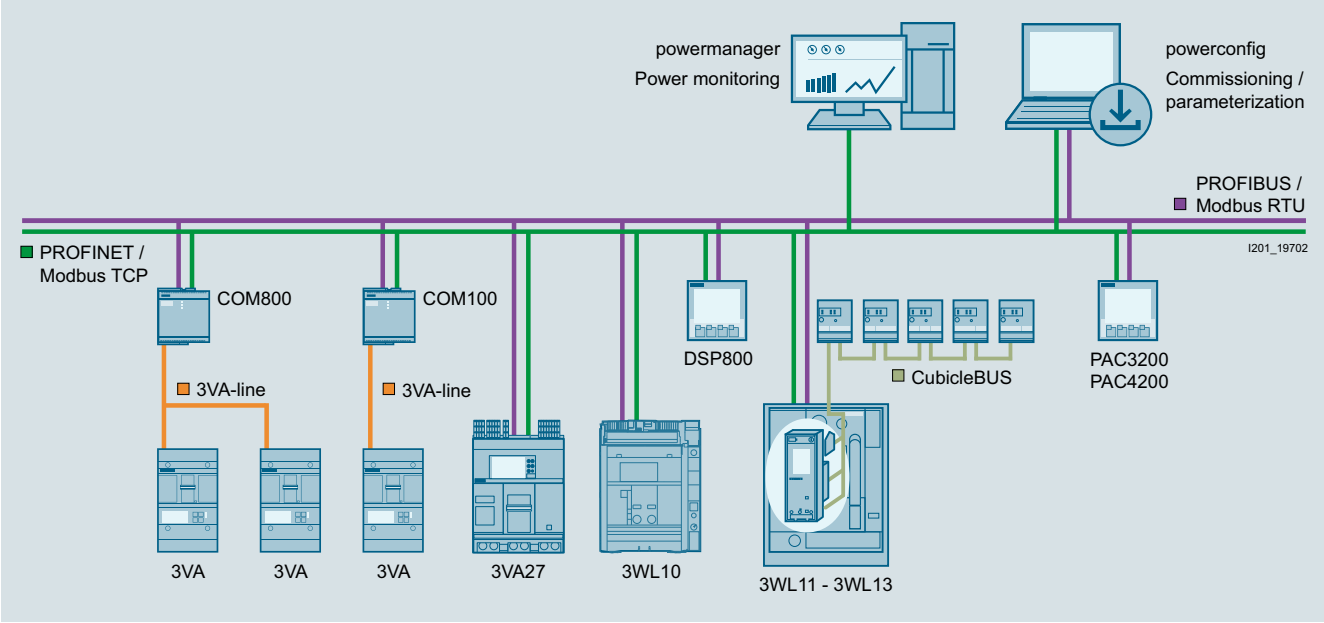
① Guide frame (page 1/56 to page 1/62)
② Main circuit connection front, flange, horizontal, vertical, (page 1/53, 1/72 and 1/73)
③ Position signaling switch (page 1/51 and 1/66)
④ Grounding connection, leading (page 1/70)
⑤ Shutters (page 1/51 and 1/69)
⑥ COM15 PROFIBUS module or COM16 MODBUS module (page 1/51 and 1/71)
⑦ External **Cubicle**BUS modules (page 1/70)
⑧ Closing coil, auxiliary release (page 1/48, 1/50 and 1/68)
⑨ Auxiliary conductor plug-in system (page 1/52 and 1/67)
⑩ Auxiliary switch block (page 1/48 and 1/68)
⑪ Door sealing frame (page 1/50 and 1/69)
⑫ Interlocking set for mechanical ON/OFF (page 1/63)
⑬ Transparent panel, function insert (page 1/63)
⑭ EMERGENCY-STOP pushbutton, key operated (page 1/66)
⑮ Motorized operating mechanism (page 1/50 and 1/68)
⑯ Operating cycles counter (page 1/50 and 1/66)
⑰ Breaker Status Sensor (BSS) (page 1/51 and 1/71)
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㉒ Ground-fault protection module (page 1/62)
㉓ Rating plug (page 1/49 and 1/62)
㉔ Metering function module (page 1/51 and 1/62)
㉕ Air circuit breaker (page 1/20 to 1/47)

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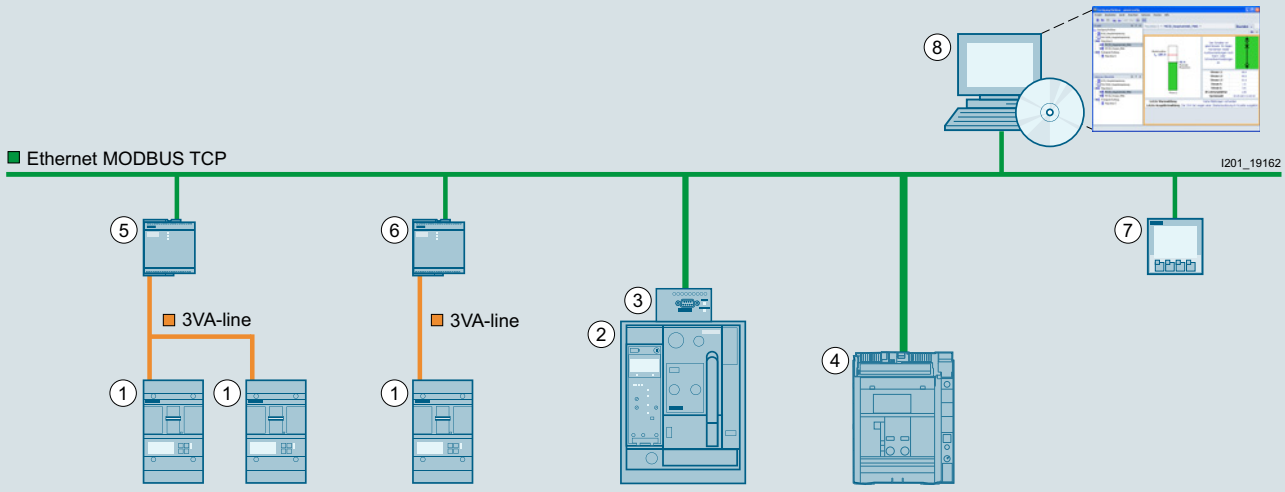
Overview

Communication-capable circuit breakers (with ETU45B or ETU76B Electronic Trip Unit)



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Introduction



1. 3VA molded case circuit breakers
2. 3WL air circuit breaker
3. COM35 MODBUS TCP
4. 3WL10 air circuit breaker
5. COM800 breaker data server
6. COM100 breaker data server
7. 7KM PAC3200 measuring device
8. Powerconfig commissioning and service software V2.3 and higher

Characteristics

- Coordinated communication concept from 16 A to 6300 A with 3VA molded case circuit breakers and 3WL air circuit breakers
- The high level of modularity of circuit breakers and accessories allows easy retrofitting of all communication components
- Significant additional benefits for the switchboard due to the possibility of linking up external input and output modules to the circuit breaker-internal **Cubicle**BUS of the 3WL air circuit breaker
- Innovative software products for parameterization, operation, monitoring, and diagnostics of circuit breakers, both locally or via Ethernet/Intranet/Internet
- Complete integration of the circuit breakers into the Totally Integrated Power and Totally Integrated Automation solutions

Communication:

- For air circuit breakers with optional communication function (ETU45B or ETU76B Electronic Trip Unit), see page 1/20 to page 1/47.
- For accessories, see page 1/70 and page 1/71.
- For more information, see chapter "Measuring Devices and Power Monitoring" and see chapter "Monitoring Devices".
- For configuring information, see also Configuration Manual "Air Circuit Breakers" (www.siemens.com/lowvoltage/manuals).

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Benefits

Low space requirements

The 3WL1 air circuit breakers require very little space. Size I devices (up to 2000 A) fit into a 400 mm wide switchboard panel. Size III devices (up to 6300 A) are the smallest of their kind and with their construction width of 704 mm fit into an 800 mm wide switchboard panel.

Modular design

Components such as auxiliary releases, motorized operating mechanisms, Electronic Trip Units, current sensors, auxiliary circuit signaling switches, automatic reset devices, interlocks and engagement operating mechanisms can all be exchanged or retrofitted at a later stage, thus allowing the circuit breaker to be adapted to new, changing requirements.

The main contact elements can all be replaced in order to increase the service life of the circuit breaker.

Retrofittable modules for Electronic Trip Units

Modularity is one of the main features of the new 3WL1 circuit breakers.
Special LCDs, ground-fault modules, rating plugs and communication modules for the Electronic Trip Units are available for fast and easy retrofitting and adaptation to changing requirements.

Communication/metering functions

The use of modern communication-capable circuit breakers opens up completely new possibilities in terms of start-up, parameterization, diagnostics, maintenance and operation. This allows many different ways of reducing costs and improving productivity in industrial plants, buildings and infrastructure projects to be achieved:

- Fast and reliable parameterization
- Timely information and response can prevent plant stoppages
- Effective diagnostics management
- Measured values are the basis for efficient load management, for drawing up power demand profiles and for allocating energy to cost centers
- Preventive maintenance reduces the risk of expensive plant downtimes
- Metering function with a very wide range of measured values, such as current, voltage, energy, power, etc.
- Can be used in 690 V networks

Application

- As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations.
- For switching and protecting motors, capacitors, generators, transformers, busbars and cables.

When connected to an electronic I&C system, the air circuit breakers offer a wide range of options for monitoring network events.

Air circuit breakers belong to the SENTRON product family of protection, switching, measuring and monitoring devices and can be used in applications between 16 A and 6300 A.

The AC devices are available as circuit breakers and non-automatic air circuit breakers. DC devices are only available as non-automatic air circuit breakers.

Standards

3WL1 air circuit breakers comply with:

- IEC 60947-2
- IEC 60947-2 Annex F/CISPR 11/22 Class B
- Climate-proof according to IEC 60068-2-30.

For further standards, see chapter "Appendix".

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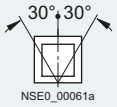
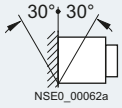
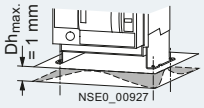
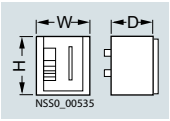
Technical specifications

Size			I				II			
Type			**... 3WL11 10**	**3WL11 12**	**3WL11 16**	**3WL11 20**	**3WL12 08**	**3WL12 10**	**3WL12 12**	**3WL12 16**
Number of poles			3-pole, 4-pole							
Rated current I_n at 40 °C, at 50/60 Hz										
Main conductor		A	... 1000	1250	1600	2000	800	1000	1250	1600
N conductor (only on 4-pole versions)		A	... 1000	1250	1600	2000	800	1000	1250	1600
Rated operational voltage U_e at 50/60 Hz		V AC	...	...	...	...	...	...	...	...
(1000 V version, see page 1/49 "Options")			690/1000	690/1000	690/1000	690/1000	690/1000	690/1000	690/1000	690/1000
Rated insulation voltage U_i		V AC	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp}										
• Main conducting paths		kV	12	12	12	12	12	12	12	12
• Auxiliary circuits		kV	4	4	4	4	4	4	4	4
• Control circuits[9]		kV	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Isolating function acc. to EN 60947-2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Utilization category			B							
Permissible ambient temperature										
• During operation (in operation with LCD max. 55 °C)[1]		°C	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70
• Storage		°C	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70
Permissible load for withdrawable versions at rear horizontal main connections	• Up to 55 °C (Cu, bare)	A	1000	1250	1600	2000	800	1000	1250	1600
	• Up to 60 °C (Cu, bare)[2]	A	1000	1250	1600	1930	800	1000	1250	1600
	• Up to 70 °C (Cu, painted black)[2]	A	1000	1210	1490[3]	1780	800	1000	1250	1600
Rated rotor operational voltage U_{er}		V	2000	2000	2000	2000	2000	2000	2000	2000
Power loss at I_n										
With three-phase symmetrical load										
• Fixed-mounted circuit breakers		W	100	105	150	240	40	45	80	85
• Withdrawable circuit breakers		W	195	205	350	440	85	95	165	175
Switching times										
• Make time		ms	35	35	35	35	35	35	35	35
• Opening time		ms	38	38	38	38	34	34	34	34
• Electrical make time (through closing coil)[4]		ms	80	80	80	80	100	100	100	100
• Electrical opening time (through shunt release)		ms	73	73	73	73	73	73	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73	73	73	73	73	73	73
• Opening time due to ETU, instantaneous short-circuit release		ms	50	50	50	50	50	50	50	50
Service life: Breaking capacity N and S, 3/4-pole										
• Mechanical (without maintenance)		Operating cycles	10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
• Mechanical (with maintenance)[5]		Operating cycles	20 000	20 000	20 000	15 000	15 000	15 000	15 000	15 000
• Electrical (without maintenance)		Operating cycles	10 000	10 000	10 000	7500	7500	7500	7500	7500
• 1000 V version, electrical (without maintenance)		Oper. cycles	--	--	--	--	--	--	--	--
• 1150 V version, electrical (without maintenance)		Oper. cycles	--	--	--	--	--	--	--	--
• Electrical (with maintenance)[5]		Operating cycles	20 000	20 000	20 000	15 000	15 000	15 000	15 000	15 000
Service life: Breaking capacity H, 3-pole										
• Mechanical (without maintenance)		Operating cycles	10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
• Mechanical (with maintenance)[5]		Operating cycles	15 000	15 000	15 000	15 000	15 000	15 000	15 000	15 000
• Electrical (without maintenance)		Operating cycles	7 500	7 500	7 500	7500	7500	7500	7500	7500
• 1000 V version, electrical (without maintenance)		Oper. cycles	1000	1000	1000	1000	1000	1000	1000	1000
• 1150 V version, electrical (without maintenance)		Oper. cycles	--	--	--	--	500	500	500	500
• Electrical (with maintenance)[5][6]		Operating cycles	15 000	15 000	15 000	15 000	15 000	15 000	15 000	15 000
Service life: Breaking capacity H, 4-pole										
• Mechanical (without maintenance)		Operating cycles	10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
• Mechanical (with maintenance)[5]		Operating cycles	15 000	15 000	15 000	15 000	15 000	15 000	15 000	15 000
• Electrical (without maintenance)		Operating cycles	7 500	7 500	7 500	7500	7500	7500	7500	7500
• 1000 V version, electrical (without maintenance)		Oper. cycles	1000	1000	1000	1000	1000	1000	1000	1000
• 1150 V version, electrical (without maintenance)		Oper. cycles	--	--	--	--	500	500	500	500
• Electrical (with maintenance)[5][6]		Operating cycles	10 000	10 000	10 000	10 000	15 000	15 000	15 000	15 000
Service life: Breaking capacity C										
• Mechanical (without maintenance)		Operating cycles	--	--	--	--	5 000	5 000	5 000	5 000
• Mechanical (with maintenance)[5]		Operating cycles	--	--	--	--	10 000	10 000	10 000	10 000
• Electrical (without maintenance)		Operating cycles	--	--	--	--	5 000	5 000	5 000	5 000
• Electrical (with maintenance)[5]		Operating cycles	--	--	--	--	10 000	10 000	10 000	10 000
Switching frequency[7]										
• 690 V version		1/h	60[8]	60[8]	60[8]	60	60[8]	60[8]	60[8]	60[8]
• 1000 V version		1/h	--	--	--	20	20	20	20	20
• 1150 V version		1/h	--	--	--	--	20	20	20	20
Minimum interval between tripping operation by Electronic Trip Unit and next making operation of the circuit breaker (only with automatic mechanical resetting of the lockout device). Minimum interval between On-Off or Off-On switching operations.		ms	80	80	80	80	80	80	80	80

1) Use of trip units from -20 °C.
2) ETU76B with graphics display can be used up to max. 55 °C.
3) At breaking capacity H: 1600 A to 70 °C.
4) Make time through closing coil for synchronization purposes (short-time excited) 50 ms.
5) Maintenance means: Replace main contact elements and arc chutes (see Operating Manual).
6) Replacement of the main contact elements of circuit breakers size I with breaking capacity H is only possible at the factory.
7) Minimum interval time between 2 tripping operations.
8) 3-pole switching with breaking capacity N and S: 45/h.
9) Motorized operating mechanism U_{imp} = 1.2 kV

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size			I				II			
Type			**... 3WL11 10**	**3WL11 12**	**3WL11 16**	**3WL11 20**	**3WL12 08**	**3WL12 10**	**3WL12 12**	**3WL12 16**
Mounting position			 NSE0_00061a and/or  NSE0_00062a				 NSE0_00927			
Degree of protection			IP20 without cabinet door, IP41 with door sealing frame, IP55 with cover							
Main conductor minimum cross-sections	• Copper bars, bare	Unit(s) mm²	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	3 × 50 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10
	• Copper bars, painted black	Unit(s) mm²	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	3 × 50 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10
Auxiliary conductors (Cu) Max. number auxiliary conductors × cross-section (solid/stranded)	Standard connection = strain-relief clamp									
	• Without end sleeve		2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16); 1 × 2.5 mm² (AWG 14)							
	• With end sleeve acc. to DIN 46228 Part 2		1 × 0.5 mm² (AWG 20) ... 1 × 1.5 mm² (AWG 16)							
	• With twin end sleeve		2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)							
	Optional connection = tension spring									
	• Without end sleeve		2 × 0.5 mm² (AWG 20) ... 2 × 2.5 mm² (AWG 14)							
	• With end sleeve acc. to DIN 46228 Part 2		2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)							
Position signaling switches	Tension spring terminals		1 × 0.5 mm² (AWG 20) ... 1 × 2.5 mm² (AWG 14)							
Weights 3-pole	• Fixed-mounted circuit breakers	kg	43	43	43	43	56	56	56	56
	• Withdrawable circuit breakers	kg	45	45	45	45	60	60	60	60
4-pole	• Guide frames	kg	25	25	25	25	31	31	31	31
	• Fixed-mounted circuit breakers	kg	50	50	50	50	67	67	67	67
	• Withdrawable circuit breakers	kg	54	54	54	54	72	72	72	72
	• Guide frames	kg	30	30	30	30	37	37	37	37
Dimensions 3/4-pole  NSS0_00535		W mm	320/410				460/590			
	Fixed-mounted	H mm	434				434			
		D mm	291				291			
	Withdrawable	H mm	465.5				465.5			
		D mm	471				471			

CubicleBUS module	**Number of modules per CubicleBUS**	**Max. continuous current per module from the CubicleBUS**	**Max. startup current per module from the CubicleBUS**
ETU45B Electronic Trip Unit	1	120 mA	2000 mA
ETU76B Electronic Trip Unit	1	170 mA	2000 mA
Metering function PLUS	1	120 mA	120 mA
Breaker Status Sensor BSS	1	40 mA	110 mA
COM15 PROFIBUS communication module	1	125 mA	280 mA
ZSI module	1	50 mA	125 mA
Digital output modules with rotary coding switch, relay outputs	1-2	180 mA	125 mA
Digital output modules, configurable, relay outputs	1	180 mA	125 mA
Analog output modules	1-2	110 mA	800 mA
Digital input modules	1-2	30 mA	125 mA

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size		II				III		
Type		**3WL12 20**	**3WL12 25**	**3WL12 32**	**3WL12 40**	**3WL13 40**	**3WL13 50**	**3WL13 63**
Number of poles		3-pole, 4-pole						
Rated current I_n at 40 °C, at 50/60 Hz								
Main conductor	A	2000	2500	3200	4000	4000	5000	6300
N conductor (only on 4-pole versions)	A	2000	2500	3200	4000	4000	5000	6300
Rated operational voltage U_e at 50/60 Hz	V AC	...	...	...	...	...	...	...
(1000 V version, see page 1/49 "Options")		690/1000	690/1000	690/1000	690/1000	690/1000	690/1000	690/1000
Rated insulation voltage U_i	V AC	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp}								
• Main conducting paths	kV	12	12	12	12	12	12	12
• Auxiliary circuits	kV	4	4	4	4	4	4	4
• Control circuits[10]	kV	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Isolating function acc. to EN 60947-2		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Utilization category		B						
Permissible ambient temperature								
• During operation (in operation with LCD max. 55 °C)[1]	°C	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70
• Storage	°C	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70
Permissible load for withdrawable versions[2] [4] • Up to 55 °C (Cu, bare)	A	2000	2500	3200	3950	4000	5000	5920
• Up to 60 °C (Cu, bare)	A	2000	2500	3020	3810	4000	5000	5810
• Up to 70 °C (Cu painted black)	A	2000	2280	2870	3600	4000	5000	5500
Rated rotor operational voltage U_{er}	V	2000	2000	2000	2000	2000	2000	2000
Power loss at I_n								
With three-phase symmetrical load								
• Fixed-mounted circuit breakers	W	180	270	410	750	520	630	900
• Withdrawable circuit breakers	W	320	520	710	925	810	1050	1600
Switching times								
• Make time	ms	35	35	35	35	35	35	35
• Opening time	ms	34	34	34	34	34	34	34
• Electrical make time (through closing coil)[5]	ms	100	100	100	100	100	100	100
• Electrical opening time (through shunt release)	ms	73	73	73	73	73	73	73
• Electrical opening time (instantaneous undervoltage release)	ms	73	73	73	73	73	73	73
• Opening time due to ETU, instantaneous short-circuit release	ms	50	50	50	50	50	50	50
Service life: Breaking capacity N, S and H[11]								
• Mechanical (without maintenance)	Operating cycles	10000	10000	10000	10000	5000	5000	5000
• Mechanical (with maintenance)[6]	Operating cycles	15000	15000	15000	15000	10000	10000	10000
• Electrical (without maintenance) up to 690 V	Operating cycles	7500	7500	4000	2000	2000	2000	2000
• 1000 V version, electrical (without maintenance)	Operating cycles	1000	1000	1000	1000	1000	1000	1000
• 1150 V version, electrical[7] (without maintenance)	Operating cycles	500	500	500	500	500	500	500
• Electrical (with maintenance)[6]	Operating cycles	15000	15000	15000	15000	10000	10000	10000
Service life: Breaking capacity C								
• Mechanical (without maintenance)	Operating cycles	5000	5000	5000	--	5000	5000	5000
• Mechanical (with maintenance)[6]	Operating cycles	10000	10000	10000	--	10000	10000	10000
• Electrical (without maintenance) up to 690 V	Operating cycles	5000	5000	4000	--	1000	1000	1000
• Electrical (without maintenance) up to 1150 V	Operating cycles	--	--	--	--	500	500	500
• Electrical (with maintenance) up to 690 V[6]	Operating cycles	10000	10000	8000	--	--	--	--
Switching frequency[8]								
• 690 V version	1/h	60[9]	60[9]	60[9]	60[9]	60	60	60
• 1000 V version	1/h	20	20	20	20	20	20	20
• 1150 V version[7]	1/h	20	20	20	20	20	20	20
Minimum interval between tripping operation by Electronic Trip Unit and next making operation of the circuit breaker (only with automatic mechanical resetting of the lockout device).	ms	80	80	80	80	80	80	80
Minimum interval between On-Off or Off-On switching operations.								

1) Use of trip units from -20 °C.

2) 4000 A, size II in fixed-mounted version, 3-pole.

4) ETU76B with graphics display can be used up to max. 55 °C.

5) Make time through closing coil for synchronization purposes (short-time excited) 50 ms.

6) Maintenance means: Replace main contact elements and arc chutes (see Operating Manual).

7) Size II with order code "A15" and size III: data for very high breaking capacity.

8) Minimum interval time between 2 tripping operations.

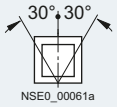
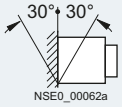
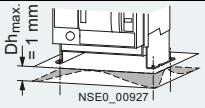
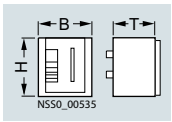
9) 3-pole switching with breaking capacity N and S: 45/h.

10) Motorized operating mechanism U_{imp} = 1.2 kV

11) 1000 V and 1150 V versions only in the case of H breaking capacity

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size			II				III		
Type			**3WL12 20**	**3WL12 25**	**3WL12 32**	**3WL12 40**	**3WL13 40**	**3WL13 50**	**3WL13 63**
Mounting position			 NSE0_00061a and/ or  NSE0_00062a				 NSE0_00927		
Degree of protection			IP20 without cabinet door, IP41 with door sealing frame, IP55 with cover						
Main conductor minimum cross-sections	• Copper bars, bare	Unit(s) mm2	3 × 50 × 10	2 × 100 × 10	3 × 100 × 10	4 × 120 × 10	4 x 100 x 10	6 x 100 x 10	6 x 120 x 10
	• Copper bars, painted black	Unit(s) mm2	3 × 50 × 10	2 × 100 × 10	3 × 100 × 10	4 × 100 × 10[1]	4 × 100 × 10	6 × 100 × 10	6 × 120 × 10
Auxiliary conductors (Cu) Max. number of auxiliary conductors × cross-section (solid/stranded)	Standard connection = strain-relief clamp • Without end sleeve • With end sleeve acc. to DIN 46228 Part 2 • With twin end sleeve		2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16); 1 × 2.5 mm² (AWG 14) 1 × 0.5 mm² (AWG 20) ... 1 × 1.5 mm² (AWG 16) 2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)						
	Optional connection = tension spring • Without end sleeve • With end sleeve acc. to DIN 46228 Part 2		2 × 0.5 mm² (AWG 20) ... 2 × 2.5 mm² (AWG 14) 2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)						
Position signaling switches	Tension spring terminals		1 × 0.5 mm² (AWG 20) ... 1 × 2.5 mm² (AWG 14)						
Weights 3-pole	• Fixed-mounted circuit breakers	kg	56	59	64	85	82	82	90
	• Withdrawable circuit breakers	kg	60	63	68	121	88	88	96
	• Guide frames	kg	31	39	45	52	60	60	70
4-pole	• Fixed-mounted circuit breakers	kg	67	71	77	103	99	99	108
	• Withdrawable circuit breakers	kg	72	76	82	146	106	106	108
	• Guide frames	kg	37	47	54	62	84	84	119
Dimensions 3/4-pole  NSS0_00535		W mm	460/590				704/914		
	Fixed-mounted	H mm	434				434		
		D mm	291				291		
	Withdrawable	H mm	465.5				465.5		
		D mm	471				471		

[1] Minimum main conductor cross-sections for 4-pole withdrawable circuit breakers:
4 x 120 x 10 mm

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General data

Breaking capacity

Size		I			II				III		
Type		3WL11			3WL12				3WL13		
Breaking capacity		N (N)	S (S)	H (H)	N (N)	S (S)	H (H)	C[7] (C)	H (H)	C 3-pole (C)	C 4-pole (C)
Rated short-circuit breaking capacity											
Rated operational voltage U_e up to 415 V AC											
I_{cu}	kA	55	66	85	66	80	100	130	100	150	130
I_{cs}	kA	55	66	85	66	80	100	130	100	150	130
I_{cm}	kA	121	145	187	145	176	220	286	220	330	286
Rated operational voltage U_e up to 500 V AC											
I_{cu}	kA	55	66	85	66	80	100	130	100	150	130
I_{cs}	kA	55	66	85	66	80	100	130	100	150	130
I_{cm}	kA	121	145	187	145	176	220	286	220	330	286
Rated operational voltage U_e up to 690 V AC											
I_{cu}	kA	42	50	66	50	75	85	100	85	150	130
I_{cs}	kA	42	50	66	50	75	85	100	85	150	130
I_{cm}	kA	88	105	145	105	165	187	220	187	330	286
Rated operational voltage U_e up to 1000 V/1150 V AC											
I_{cu}	kA	--	--	50[5]	--	--	50	--	50	70[4]	70[4]
I_{cs}	kA	--	--	50[5]	--	--	50	--	50	70[4]	70[4]
I_{cm}	kA	--	--	105[5]	--	--	105	--	105	154[4]	154[4]
Rated short-time withstand current I_{cw}[3]											
0.5 s	kA	55	66	75	66	80	100	100	100	100	100
1 s	kA	42	50	66	55	66	85	100	100	100	100
2 s	kA	29.5	35	46	39	46	65[1]/70[2]	70	80	80	80
3 s	kA	24	29	44	32	44	50[1]/65[2]	65	65	65	65
Rated conditional short-circuit current I_{cc} of the non-automatic air circuit breakers											
Up to 500 V AC	kA	55	66	75	66	80	100	130	100	100	100
Up to 690 V AC	kA	42	50	66	50	75	85	100	85	100	100
Up to 1000 V/1150 V AC	kA	--	--	50[5]	--	--	50[4]	--	50[6]	70[4]	70[4]

(N) Circuit breakers with ECO breaking capacity N

(S) Circuit breakers with standard breaking capacity S

(H) Circuit breakers with high breaking capacity H

(C) Circuit breakers with very high breaking capacity C

(DC) Non-automatic air circuit breakers with DC breaking capacity

These breaking capacities are indicated in the corresponding tables by the symbols shown on orange backgrounds.

Note:

- For further technical specifications, see the Configuration Manual "Air Circuit Breakers" (www.siemens.com/lowvoltage/manuals).

Abbreviations* (functions)	English long text	Explanation
L	Long Time Delay	Overload protection
S	Short Time Delay	Short-circuit protection (short-time delayed)
I	Instantaneous	Short-circuit protection (instantaneous)
N	Neutral Protection	Neutral conductor protection
G	Ground Fault	Ground-fault protection

* Designations according to IEC 60947-2, Annex K.

1) Size II with $I_{n\,max} \leq 2500$ A.

2) Size II with $I_{n\,max} = 3200$ A and $I_{n\,max} = 4000$ A.

3) At a rated voltage ≥ of 690 V, the I_{cw} value of the circuit breaker cannot be greater than the I_{cu} or I_{cs} value at 690 V.

4) Rated operational voltage $U_e = 1150$ V.

5) Values also apply to 690 V + 20% version with Z option "A16".

6) Rated operational voltage $U_e = 1000$ V.

7) Up to 3200 A rated current.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size				**I to III**
Type				**3WL1**
Manual operating mechanism with mechanical closing				
Switching on/ Charging the energy store	Max. force required to operate the hand lever Required number of strokes on the hand lever		N	≤ 230 9
Manual operating mechanism with mechanical and electrical closing				
Charging the energy store				
Closing coil (CC)	• Primary operating range			0.85 ... 1.1 × U_s
	• Extended operating range for battery operation	At 24 V DC, 48 V DC 60 V DC, 110 V DC 220 V DC		0.7 ... 1.26 × U_s
	• Rated control supply voltage U_s	50/60 Hz AC DC	V V	110 ... 127; 208 ... 240 24; 30; 48; 60; 110 ... 125; 220 ... 250
	• Power consumption	AC/DC	VA/W	15/15
	• Min. command duration at U_s for the closing coil		ms	60
	• Short-circuit protection Smallest permissible DIAZED fuse (operational class gL)/ automatic circuit breaker with C characteristic			1 A TDz (slow)/1 A
Manual/motorized operating mechanism with mechanical and electrical closing				
Manual operating mechanism				For data, see above.
Motor	• Primary operating range			0.85 ... 1.1 × U_s
	• Extended operating range for battery operation	At 24 V DC, 48 V DC 60 V DC, 110 V DC 220 V DC		0.7 ... 1.26 × U_s
	• Power consumption of motor	AC/DC	VA/W	135/135
	• Time required to charge the spring energy store at 1 × U_s		s	≤ 10
Closing coil				For data, see above.
For motor and closing coil	• Short-circuit protection Smallest permissible DIAZED fuse (operational class gL)/ automatic circuit breaker with C characteristic; motor and closing coil for same rated control supply voltages			6 A TDz (slow)/2 A
	• Smallest permissible DIAZED fuse (operational class gL)/ automatic circuit breaker with C characteristic (for different rated control supply voltages)	At U_s = 24 ... 30 V At U_s = 48 ... 60 V At U_s = 110 ... 125 V DC/ 110 ... 127 V AC At U_s = 220 ... 250 V DC/ 208 ... 240 V AC		6 A 6 A 2 A 2 A
Signals of the Electronic Trip Unit				
Measuring accuracy of the Electronic Trip Unit				Protection functions acc. to EN 60947; Current indication ≤ 10%; Metering function for base quantities ≤ 1%; Metering function for derived quantities ≤ 4%
Auxiliary releases				
Undervoltage releases UVR (F3) and UVR-t_d (F4)	• Response values	Pickup Dropout		≥ 0.85 × U_s (circuit breaker can be closed) 0.35 ... 0.7 × U_s (circuit breaker is opened)
	• Primary operating range			0.85 ... 1.1
	• Extended operating range for battery operation	At 24 V DC, 30 V DC, 48 V DC, 110 V DC, 220 V DC		0.85 ... 1.26
	• Rated control supply voltage U_s	Instantaneous 50/60 Hz AC DC Delayed 50/60 Hz AC DC	 V V V V	 110 ... 127/208 ... 240/380 ... 415 24/30/48/60/110 ... 125/220 ... 250[1] 110 ... 127; 208 ... 240; 380 ... 415 48; 110 ... 125; 220 ... 250
	• Power consumption (pickup/uninterrupted duty)	AC DC	VA W	20/5 20/5
	• Opening time of the circuit breaker at U_s = 0		ms	200
	- Version UVR (F3) Without delay With delay		 ms ms	 73 200
	- Version UVR-t_d (F4) With delay, t_d = 0.2 to 3.2 s Reset through additional NC contact – direct tripping		 s ms	 0.2 ... 3.2 ≤ 100
	• Short-circuit protection Smallest permissible DIAZED fuse (operational class gL)/ automatic circuit breaker with C characteristic			1 A TDz (slow)/1 A

[1] 24 V and 30 V only with undervoltage release UVR (F3).

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General data

Size					**I to III**			
Type					**3WL1**			
Auxiliary releases								
Shunt release (ST) (F1, F2)	• For continuous command (100% OP), locks out on momentary-contact commands	- Response value	Pickup		> 0.7 × U_s (circuit breaker is tripped)			
		- Primary operating range			0.7 ... 1.1 × U_s			
		- Extended operating range for battery operation	At 24 V DC, 48 V DC 60 V DC, 110 V DC 220 V DC		0.7 ... 1.26 × U_s			
		- Rated control supply voltage U_s	50/60 Hz AC DC	V V	110 ... 127; 208 ... 240 24; 30; 48; 60; 110 ... 125; 220 ... 250			
		- Power consumption	AC/DC	VA/W	15/15			
		- Min. command duration at U_s		ms	60			
		- Opening time of the circuit breaker at U_s = 100%	At AC/DC	ms	80			
		- Short-circuit protection Smallest permissible DIAZED fuse (operational class gL)/automatic circuit breaker with C characteristic			1 A TDz (slow)/1 A			
	5% ON period	- Response value	Pickup		> 0.7 × U_s (circuit breaker is tripped)			
		- Primary operating range			0.7 ... 1.1 × U_s			
		- Extended operating range for battery operation	At 24 V DC, 48 V DC 60 V DC, 110 V DC 220 V DC		0.7 ... 1.26 × U_s			
		- Rated control supply voltage U_s	50/60 Hz AC DC	V V	110 ... 127; 208 ... 240 24; 48; 110 ... 125; 220 ... 250			
		- Power consumption	AC/DC	VA/W	15/15			
		- Min. command duration at U_s		ms	25			
		- Opening time of the circuit breaker at U_s = 100%	At AC/DC	ms	50			
		- Short-circuit protection Smallest permissible DIAZED fuse (operational class gL)/automatic circuit breaker with C characteristic			1 A TDz (slow)/1 A			
	• With spring energy store consisting of shunt release and capacitor storage device	- Rated control supply voltage U_s	50/60 Hz AC DC	V V	110; 230 110; 220			
		- Primary operating range			0.85 ... 1.1 × U_s			
		- Power consumption	AC/DC	VA/W	1/1			
		- Storage time at U_s/ Recharging time at U_s			max. 5 min/min. 5 s			
		- Opening time of the circuit breaker, short-circuit protection			As with "for continuous command"			
Remote reset solenoid for mechanical tripped indicator (F7)								
Remote reset solenoid for mechanical tripped indicator (F7)		- Primary operating range			0.85 ... 1.1 × U_s			
		- Extended operating range for battery operation	At 24 V DC, 48 V DC 110 V DC 220 V DC		0.7 ... 1.26 × U_s			
		- Power consumption	AC/DC	VA/W	50/50			
		- Min. command duration at U_s for the remote reset solenoid		ms	60			
		- Short-circuit protection Smallest permissible DIAZED fuse (operational class gL)/automatic circuit breaker with C characteristic			2 A TDz (slow)/1 A at 24 V DC and 48 V DC, 1 A TDz (slow)/1 A at 110 V and 208 ... 250 V			
Contact position-driven auxiliary switches (S1, S2, S3, S4, S7, S8)								
Rated insulation voltage U_i				V AC/DC	500			
Rated operational voltage U_e				V AC/DC	500			
Rated impulse withstand voltage U_{imp}				kV	4			
Breaking capacity	• Alternating current 50/60 Hz	- Rated operational voltage U_e		V	24 ... 230		380/400	
		- Rated operational current I_e/AC-12 I_e/AC-15		 A A	 10 4		 10 3	
	• Direct current	- Rated operational voltage U_e		V	24	48	110	220
		- Rated operational current I_e/DC-12 I_e/DC-13		 A A	 10 8	 8 4	 3.5 1.2	 1 0.4
Short-circuit protection	• Largest permissible DIAZED fuse (operational class gL) • Largest permissible miniature circuit breaker with C characteristic				10 A TDz, 10 A Dz 10 A			

Minimum order quantity (PS) or a multiple thereof can be ordered.

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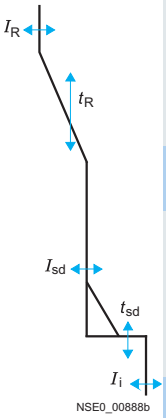
Size					**I to III**		
Type					**3WL1**		
Ready-to-close signaling switches (S20) (acc. to DIN VDE 0630)							
Breaking capacity	• Alternating current	- Rated operational voltage U_e - Rated operational current I_e	V A	250 8			
	• Direct current	- Rated operational voltage U_e - Rated operational current I_e	V A	125 0.4	250 0.2		
Short-circuit protection	Largest permissible DIAZED fuse (operational class gL)			2 A Dz (quick)			
Tripped signaling switches (S24) and signaling switches for auxiliary releases (S22, S23) (acc. to DIN VDE 0630)							
Breaking capacity	• Alternating current	- Rated operational voltage U_e - Rated operational current I_e/AC-12	V A	250 8			
	• Direct current	- Rated operational voltage U_e - Rated operational current I_e/DC-12	V A	24 6	125 0.4	250 0.2	
Short-circuit protection	Largest permissible DIAZED fuse (operational class gL)			6 A Dz (quick)			
Tripped signaling switch	Signal duration after tripping			Until manual or electrical remote reset (option)			
Position signaling switches on guide frame							
Type of contact	• Signal:	- "Circuit breaker in connected position" - "Circuit breaker in test position" - "Circuit breaker in disconnected position"		3 CO 2 CO 1 CO	or	1 CO 1 CO 1 CO	
Rated insulation voltage U_i		50/60 Hz AC DC	V V	440 250			
Rated operational voltage U_e			V	250			
Rated impulse withstand voltage U_{imp}			kV	4			
Breaking capacity	• Rated operational current I_e	- I_e/AC-12 - I_e/AC-15 - I_e/DC-12 - I_e/DC-13 - A 300 (AC) - R 300 (DC)		24 V 10 A, 110/127 V 10 A, 220/240 V 10 A, 320/440 V 10 A 220/240 V 4 A, 320/440 V 3 A, 24 V 10 A, 48 V 2.5 A, 220/240 V 0.2 A, 24 V 3.0 A, 220/240 V 0.1 A 120 V 6 A, 240 V 3 A 125 V 0.22 A, 250 V 0.11 A			
Short-circuit protection	• Largest permissible DIAZED fuse (operational class gL) • Largest permissible miniature circuit breaker with C characteristic			8 A TDz (slow) 8 A TDz (slow)			

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General data

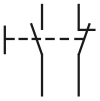
Function overview of the electronic trip system

Protection functions Parameterization by		ETU15B D	ETU25B D	ETU27B D & S
	Overload protection	✓	✓	✓
	Function can be switched on/off	--	--	--
	Setting range $I_R = I_n \times$ ...	0.5-0.55-0.6-0.65-0.7-0.75-0.8-0.85-0.9-1	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1
L	Switchable overload protection (I^2t- or I^4t-dependent function)	--	--	--
	Setting range for time-lag class t_R at I^2t	10 s fixed	10 s fixed	10 s fixed
	Setting range for time-lag class t_R at I^4t	--	--	--
	Thermal memory can be enabled/disabled	--	--	--
	Phase failure sensitivity	--	At t_{sd} = 20 ms (M)	At t_{sd} = 20 ms (M)
N	**N conductor protection**	--	--	✓
	Function can be switched on/off	--	--	✓
	N conductor setting range $I_N = I_n \times$ ...	--	--	1
	Short-time delayed short-circuit protection	--	✓	✓
	Function can be switched on/off	--	--	--
	Setting range $I_{sd} = I_n \times$ ...	--	1.25-1.5-2-2.5-3-4-6-8-10-12	1.25-1.5-2-2.5-3-4-6-8-10-12
S	Setting range of delay time t_{sd}	--	0-M-100-200-300-400 ms	0-M-100-200-300-400 ms
	Switchable short-time delayed short-circuit protection (I^2t-dependent function)	--	--	--
	Setting range of delay time t_{sd} at I^2t	--	--	--
	ZSI function	--	--	--
I	**Instantaneous short-circuit protection**	✓	✓	✓
	Function can be switched on/off	--	--	--
	Setting range $I_i = I_n \times$ ...	2-3-4-5-6-7-8	Fixed for $I_i \geq 20 \times I_n$, max. 50 kA	Fixed for $I_i \geq 20 \times I_n$, max. 50 kA
	Ground-fault protection	--	--	✓ permanently installed
	Tripping and alarm functions	--	--	--
	Tripping function can be switched on/off	--	--	✓
	Alarm function can be switched on/off	--	--	--
	Detection of the ground-fault current through summation current formation with internal or external N conductor transformer	--	--	✓
G	Detection of ground-fault current through external current transformer	--	--	--
	Setting range of the operating current I_g for tripping	--	--	A-B-C-D-E
	Setting range of the operating current I_g for alarm	--	--	--
	Setting range of the delay time t_g	--	--	100-200-300-400-500 ms
	Switchable ground-fault characteristic (I^2t-dependent function)	--	--	--
	Setting range of delay time t_g at I^2t	--	--	--
	ZSI-G function	--	--	--
Parameter set changeover				
	Switchable between parameter set A and B	--	--	--
LCD				
	Alphanumeric LCD (4-line)	--	--	--
	Graphical LCD (24 V, external power supply required)	--	--	--
Self-monitoring / communication				
	Watchdog-monitored	✓	✓	✓
	Communication-capable	--	--	--
Metering function				
	Metering capability with metering function *Plus*	--	--	--
LED display				
	Electronic Trip Unit active	✓	✓	✓
	Alarm	✓	✓	✓
	ETU fault	✓	✓	✓
	L tripping operation	--	✓	✓
	S tripping operation	--	✓	✓
	I tripping operation	--	✓	✓
	N tripping operation	--	--	✓
	G tripping operation	--	--	✓
	G alarm	--	--	--
	Tripping operation as a result of extended prot. function	--	--	--
	Communication	--	--	--
Signals from signaling switches with external CubicleBUS modules (relays)				
	Overload warning	--	--	--
	Load shedding, load absorbing	--	--	--
	Leading signal overload trip 200 ms	--	--	--
	Temperature alarm	--	--	--
	Phase unbalance	--	--	--
	Instantaneous short-circuit trip	--	--	--
	Short-time delayed short-circuit trip	--	--	--
	Overload trip	--	--	--
	Neutral conductor trip	--	--	--
	Ground-fault protection trip	--	--	--
	Ground-fault alarm	--	--	--
	Auxiliary relay	--	--	--
	ETU fault	--	--	--



NSE0_00888b


NSE0_00890


NSE0_00891

Delay time figures given in ms.
M = Motor protection, corresponds to 20 ms.
D = Rotary coding switch
D & S = Rotary coding and slide switch
K = Communication
M/K = Menu/Communication

✓ Available.
-- Not available.
❑ Optional.

For setting range of the operating current I_g, see page 1/19.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Protection functions Parameterization by	ETU45B D & S	ETU76B M/K
Function overview of the electronic trip system		
Overload protection	✓	✓
Function can be switched on/off	--	✓
Setting range $I_R = I_n \times ...$	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1	0.4 ... 1
Switchable overload protection (I^2t- or I^4t-dependent function)	✓	✓
Setting range for time-lag class t_R at I^2t	2-3.5-5.5-8-10-14-17-21-25-30 s	2 ... 30 s
Setting range for time-lag class t_R at I^4t	1-2-3-4-5 s	1 ... 5 s
Thermal memory can be enabled/disabled	✓	✓
Phase failure sensitivity	At t_{sd} = 20 ms (M)	✓ (on/off)
N conductor protection	✓	✓
Function can be switched on/off	✓	✓
N conductor setting range $I_N = I_n \times ...$	0.5 ... 1	0.2 ... 2
Short-time delayed short-circuit protection	✓	✓
Function can be switched on/off	✓	✓
Setting range $I_{sd} = I_n \times ...$	1.25-1.5-2-2.5-3-4-6-8-10-12	1.25 × I_n ... 0.8 × I_{cw}
Setting range of delay time t_{sd}	M-100-200-300-400 ms	M-80 ... 4000 ms
Switchable short-time delayed short-circuit protection (I^2t-dependent function)	✓	✓
Setting range of delay time t_{sd} at I^2t	100-200-300-400 ms	100 ... 400 ms
ZSI function	By **Cubicle**BUS module	By **Cubicle**BUS module
Instantaneous short-circuit protection	✓	✓
Function can be switched on/off	✓	✓
Setting range $I_i = I_n \times ...$	1.5-2.2-3-4-6-8-10-12-0.8 x I_{cs}	1.5 × I_n ... 0.8 × I_{cs}
Ground-fault protection	❑ Module can be retrofitted	❑ Module can be retrofitted
Tripping and alarm functions	✓	✓
Tripping function can be switched on/off	✓	✓
Alarm function can be switched on/off	--	✓
Detection of ground-fault current through summation current formation with internal or external N conductor transformer	✓	✓
Detection of ground-fault current through external current transformer	✓	✓
Setting range of the operating current I_g for tripping	A-B-C-D-E	A ... E
Setting range of the operating current I_g for alarm	A-B-C-D-E	A ... E
Setting range of the delay time t_g	100-200-300-400-500 ms	100 ... 500 ms
Switchable ground-fault characteristic (I^2t-dependent function)	✓	✓
Setting range of delay time t_g at I^2t	100-200-300-400-500 ms	100 ... 500 ms
ZSI-G function	By **Cubicle**BUS module	By **Cubicle**BUS module
Parameter set changeover		
Switchable between parameter set A and B	--	✓
LCD		
Alphanumeric LCD (4-line)	❑	--
Graphical LCD (24 V, external power supply required)	--	✓
Self-monitoring / communication		
Watchdog-monitored	✓	✓
Communication-capable	✓	✓
Metering function		
Metering capability with metering function *Plus*	✓	✓
LED display		
Electronic Trip Unit active	✓	✓
Alarm	✓	✓
ETU fault	✓	✓
L tripping operation	✓	✓
S tripping operation	✓	✓
I tripping operation	✓	✓
N tripping operation	✓	✓
G tripping operation	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
G alarm	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
Tripping operation as a result of extended protection functions	✓	✓
Communication	✓	✓
Signals from signaling switches with external CubicleBUS modules (relays)		
Overload warning	✓	✓
Load shedding, load absorbing	✓	✓
Leading signal overload trip 200 ms	✓	✓
Temperature alarm	✓	✓
Phase unbalance	✓	✓
Instantaneous short-circuit trip	✓	✓
Short-time delayed short-circuit trip	✓	✓
Overload trip	✓	✓
Neutral conductor trip	✓	✓
Ground-fault protection trip	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
Ground-fault alarm	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
Auxiliary relay	✓	✓
ETU fault	✓	✓

Setting range of the operating current I_g

	Size I and size II	Size III
A	100 A	400 A
B	300 A	600 A
C	600 A	800 A
D	900 A	1000 A
E	1200 A	1200 A

Increment size when settings are made for the ETU76B using the menu

From ... to	Increment size	From ... to	Increment size
0 ... 1	0.1	1000 ... 1600	50
1 ... 100	1	1600 ... 10000	100
100 ... 500	5	10000 ... max.	1000
500 ... 1000	10		

Legend, see page 1/18.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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3-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Horizontal main circuit connection									
I	630	630	55		**3WL1106-2□□32-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□32-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□32-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□32-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□32-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□32-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□32-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□32-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□32-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□32-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□32-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□32-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□32-□□□□**		1	1 unit	1CA
Vertical main circuit connection									
I	630	630	55		**3WL1106-2□□31-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□31-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□31-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□31-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□31-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□31-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□31-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□31-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□31-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□31-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□31-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□31-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□31-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-2□□31-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

4) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

5) ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	**I_{cu} 55/66 kA at 500 V, ECO breaking capacity N** (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Front main circuit connection, single hole									
I	630	630	55		**3WL1106-2□□33-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□33-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□33-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□33-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□33-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□33-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□33-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□33-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□33-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□33-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□33-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□33-□□□□**		1	1 unit	1CA
Front main circuit connection, double hole									
I	630	630	55		**3WL1106-2□□34-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□34-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□34-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□34-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□34-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□34-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□34-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□34-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□34-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□34-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□34-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□34-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□34-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

4) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

5) ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

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3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
Horizontal main circuit connection									
I	630	630	66		**3WL1106-3□□32-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□32-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□32-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□32-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□32-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□32-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□32-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□32-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□32-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□32-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□32-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□32-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□32-□□□□**		1	1 unit	1CA
Vertical main circuit connection									
I	630	630	66		**3WL1106-3□□31-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□31-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□31-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□31-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□31-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□31-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□31-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□31-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□31-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□31-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□31-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□31-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□31-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-3□□31-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

4) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

5) ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S)	PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No. — Basic price per PU			
	A	A	kA	d				
Front main circuit connection, single hole								
I	630	630	66		**3WL1106-3□□33-□□□□**	1	1 unit	1CA
	800	800			**3WL1108-3□□33-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1110-3□□33-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1112-3□□33-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1116-3□□33-□□□□**	1	1 unit	1CA
II	800	800	80		**3WL1208-3□□33-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1210-3□□33-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1212-3□□33-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1216-3□□33-□□□□**	1	1 unit	1CA
	2000	2000			**3WL1220-3□□33-□□□□**	1	1 unit	1CA
	2500	2500			**3WL1225-3□□33-□□□□**	1	1 unit	1CA
	3200	3200			**3WL1232-3□□33-□□□□**	1	1 unit	1CA
Front main circuit connection, double hole								
I	630	630	66		**3WL1106-3□□34-□□□□**	1	1 unit	1CA
	800	800			**3WL1108-3□□34-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1110-3□□34-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1112-3□□34-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1116-3□□34-□□□□**	1	1 unit	1CA
	2000	2000			**3WL1120-3□□34-□□□□**	1	1 unit	1CA
II	800	800	80		**3WL1208-3□□34-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1210-3□□34-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1212-3□□34-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1216-3□□34-□□□□**	1	1 unit	1CA
	2000	2000			**3WL1220-3□□34-□□□□**	1	1 unit	1CA
	2500	2500			**3WL1225-3□□34-□□□□**	1	1 unit	1CA
	3200	3200			**3WL1232-3□□34-□□□□**	1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

4) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

5) ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

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3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H)	PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No. — Basic price per PU			
	A	A	kA	d				
Horizontal main circuit connection								
I	630	630	85		**3WL1106-4□□32-□□□□**	1	1 unit	1CA
	800	800			**3WL1108-4□□32-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1110-4□□32-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1112-4□□32-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1116-4□□32-□□□□**	1	1 unit	1CA
	2000	2000			**3WL1120-4□□32-□□□□**	1	1 unit	1CA
II	800	800	100		**3WL1208-4□□32-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1210-4□□32-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1212-4□□32-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1216-4□□32-□□□□**	1	1 unit	1CA
	2000	2000			**3WL1220-4□□32-□□□□**	1	1 unit	1CA
	2500	2500			**3WL1225-4□□32-□□□□**	1	1 unit	1CA
	3200	3200			**3WL1232-4□□32-□□□□**	1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□32-□□□□**	1	1 unit	1CA
	5000	5000			**3WL1350-4□□32-□□□□**	1	1 unit	1CA
Vertical main circuit connection								
I	630	630	85		**3WL1106-4□□31-□□□□**	1	1 unit	1CA
	800	800			**3WL1108-4□□31-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1110-4□□31-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1112-4□□31-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1116-4□□31-□□□□**	1	1 unit	1CA
	2000	2000			**3WL1120-4□□31-□□□□**	1	1 unit	1CA
II	800	800	100		**3WL1208-4□□31-□□□□**	1	1 unit	1CA
	1000	1000			**3WL1210-4□□31-□□□□**	1	1 unit	1CA
	1250	1250			**3WL1212-4□□31-□□□□**	1	1 unit	1CA
	1600	1600			**3WL1216-4□□31-□□□□**	1	1 unit	1CA
	2000	2000			**3WL1220-4□□31-□□□□**	1	1 unit	1CA
	2500	2500			**3WL1225-4□□31-□□□□**	1	1 unit	1CA
	3200	3200			**3WL1232-4□□31-□□□□**	1	1 unit	1CA
	4000	4000			**3WL1240-4□□31-□□□□**	1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□31-□□□□**	1	1 unit	1CA
	5000	5000			**3WL1350-4□□31-□□□□**	1	1 unit	1CA
	6300	6300			**3WL1363-4□□31-□□□□**	1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

4) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

5) ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
Front main circuit connection, single hole									
II	800	800	100		**3WL1208-4□□33-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□33-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□33-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□33-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□33-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□33-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□33-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□33-□□□□**		1	1 unit	1CA
Front main circuit connection, double hole									
I	630	630	85		**3WL1106-4□□34-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□34-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□34-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□34-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□34-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□34-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□34-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□34-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□34-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□34-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□34-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□34-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□34-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□34-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

4) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

5) ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

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3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	**I_{cu} 130/150 kA at 500 V, very high breaking capacity C** Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Horizontal main circuit connection									
II	1600	1600	130		**3WL1216-5□□32-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□32-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□32-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□32-□□□□**		1	1 unit	1CA
III	4000	4000	150		**3WL1340-5□□32-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□32-□□□□**		1	1 unit	1CA
Vertical main circuit connection									
II	1600	1600	130		**3WL1216-5□□31-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□31-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□31-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□31-□□□□**		1	1 unit	1CA
III	4000	4000	150		**3WL1340-5□□31-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□31-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-5□□31-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[3]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4)6)]	**EG**		✓
	ETU45B: Protection functions LSING[4)6)] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4)6)] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

3) ETU15B cannot be used with 3WL1 circuit breakers, size III.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

5) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

6) ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
I	630	630	55		**3WL1106-2□□35-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□35-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□35-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□35-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□35-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□35-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□35-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□35-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□35-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□35-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□35-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□35-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□35-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-2□□35-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
I	630	630	55		**3WL1106-2□□36-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□36-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□36-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□36-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□36-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□36-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□36-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□36-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□36-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□36-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□36-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□36-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□36-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4][6]	**EG**		✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][6] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

5) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

6) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
With guide frames, vertical main circuit connection									
I	630	630	55		**3WL1106-2□□37-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□37-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□37-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□37-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□37-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□37-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□37-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□37-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□37-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□37-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□37-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□37-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□37-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-2□□37-□□□□**		1	1 unit	1CA
With guide frames, connecting flanges									
I	630	630	55		**3WL1106-2□□38-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□38-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□38-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□38-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□38-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□38-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□38-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□38-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□38-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□38-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□38-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□38-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□38-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4)6)]	**EG**		✓
	ETU45B: Protection functions LSING[4)6)] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4)6)] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

5) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

6) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
I	630	630	66		**3WL1106-3□□35-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□35-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□35-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□35-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□35-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□35-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□35-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□35-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□35-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□35-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□35-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□35-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□35-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-3□□35-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
I	630	630	66		**3WL1106-3□□36-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□36-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□36-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□36-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□36-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□36-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□36-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□36-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□36-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□36-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□36-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□36-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□36-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4][6]	**EG**		✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][6] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

5) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

6) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

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3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
With guide frames, vertical main circuit connection									
I	630	630	66		**3WL1106-3□□37-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□37-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□37-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□37-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□37-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□37-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□37-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□37-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□37-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□37-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□37-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□37-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□37-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-3□□37-□□□□**		1	1 unit	1CA
With guide frames, connecting flanges									
I	630	630	66		**3WL1106-3□□38-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□38-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□38-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□38-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□38-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□38-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□38-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□38-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□38-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□38-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□38-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□38-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□38-□□□□**		1	1 unit	1CA

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units		**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI		**BB**		✓
	ETU25B: Protection functions LSI		**CB**		✓
	ETU45B: Protection functions LSIN[4]		**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display		**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display		**NB**		✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[5]		**DG**		✓
	ETU45B: Protection functions LSING[4][6]		**EG**		✓
	ETU45B: Protection functions LSING[4][6] with 4-line display		**FG**		✓
	ETU76B: Protection functions LSING[4][6] with full graphics display		**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, page 1/48				

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

5) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

6) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
I	630	630	85		**3WL1106-4□□35-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□35-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□35-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□35-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□35-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□35-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□35-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□35-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□35-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□35-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□35-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□35-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□35-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-4□□35-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□35-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□35-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-4□□35-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
I	630	630	85		**3WL1106-4□□36-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□36-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□36-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□36-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□36-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□36-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□36-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□36-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□36-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□36-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□36-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□36-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□36-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□36-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□36-□□□□**		1	1 unit	1CA

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**			**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI[7]	**BB**			✓
	ETU25B: Protection functions LSI	**CB**			✓
	ETU45B: Protection functions LSIN[4]	**EB**			✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**			✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**			✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[5]	**DG**			✓
	ETU45B: Protection functions LSING[4][6]	**EG**			✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**			✓
	ETU76B: Protection functions LSING[4][6] with full graphics display	**NG**			✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO+		**1AA2**		**None**
	For further Article No. supplements, page 1/48				

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

5) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

6) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

7) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
With guide frames, vertical main circuit connection									
I	630	630	85		**3WL1106-4□□37-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□37-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□37-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□37-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□37-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□37-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□37-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□37-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□37-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□37-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□37-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□37-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□37-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-4□□37-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□37-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□37-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-4□□37-□□□□**		1	1 unit	1CA
With guide frames, connecting flanges									
I	630	630	85		**3WL1106-4□□38-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□38-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□38-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□38-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□38-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□38-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□38-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□38-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□38-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□38-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□38-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□38-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□38-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□38-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[7]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4][6]	**EG**		✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][6] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

5) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

6) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

7) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	**I_{cu} 130/150 kA at 500 V, very high breaking capacity C** (C) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
II	1600	1600	130		**3WL1216-5□□35-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□35-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□35-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□35-□□□□**		1	1 unit	1CA
III	4000	4000	150		**3WL1340-5□□35-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□35-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-5□□35-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
II	1600	1600	130		**3WL1216-5□□36-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□36-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□36-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□36-□□□□**		1	1 unit	1CA
III	4000	4000	150		**3WL1340-5□□36-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□36-□□□□**		1	1 unit	1CA
With guide frames, vertical main circuit connection									
II	1600	1600	130		**3WL1216-5□□37-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□37-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□37-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□37-□□□□**		1	1 unit	1CA
III	4000	4000	150		**3WL1340-5□□37-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□37-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-5□□37-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[4]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[5]	**EB**		✓
	ETU45B: Protection functions LSIN[5] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[5] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[6]	**DG**		✓
	ETU45B: Protection functions LSING[5][7]	**EG**		✓
	ETU45B: Protection functions LSING[5][7] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[5][7] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, page 1/14.

4) ETU15B cannot be used with 3WL1 circuit breakers, size III.

5) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, page 1/62.

6) Current transformers for protection of the N conductor are to be ordered separately, page 1/62.

7) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), page 1/62.

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4-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Horizontal main circuit connection									
I	630	630	55		**3WL1106-2□□42-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□42-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□42-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□42-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□42-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□42-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□42-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□42-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□42-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□42-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□42-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□42-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□42-□□□□**		1	1 unit	1CA
Vertical main circuit connection									
I	630	630	55		**3WL1106-2□□41-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□41-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□41-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□41-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□41-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□41-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□41-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□41-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□41-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□41-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□41-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□41-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□41-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-2□□41-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

4) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Front main circuit connection, single hole									
I	630	630	55		**3WL1106-2□□43-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□43-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□43-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□43-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□43-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□43-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□43-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□43-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□43-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□43-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□43-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□43-□□□□**		1	1 unit	1CA
Front main circuit connection, double hole									
I	630	630	55		**3WL1106-2□□44-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□44-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□44-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□44-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□44-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□44-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□44-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□44-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□44-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□44-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□44-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□44-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□44-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

4) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Horizontal main circuit connection									
I	630	630	66		**3WL1106-3□□42-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□42-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□42-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□42-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□42-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□42-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□42-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□42-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□42-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□42-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□42-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□42-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□42-□□□□**		1	1 unit	1CA
Vertical main circuit connection									
I	630	630	66		**3WL1106-3□□41-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□41-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□41-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□41-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□41-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□41-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□41-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□41-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□41-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□41-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□41-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□41-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□41-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-3□□41-□□□□**		1	1 unit	1CA

Options					Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units		**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI		**BB**		✓
	ETU25B: Protection functions LSI		**CB**		✓
	ETU45B: Protection functions LSIN[3]		**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display		**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display		**NB**		✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[3]		**DG**		✓
	ETU45B: Protection functions LSING[3][4]		**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display		**FG**		✓
	ETU76B: Protection functions LSING[3][4] with full graphics display		**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/48				

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

4) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Front main circuit connection, single hole									
I	630	630	66		**3WL1106-3□□43-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□43-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□43-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□43-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□43-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□43-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□43-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□43-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□43-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□43-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□43-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□43-□□□□**		1	1 unit	1CA
Front main circuit connection, double hole									
I	630	630	66		**3WL1106-3□□44-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□44-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□44-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□44-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□44-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□44-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□44-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□44-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□44-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□44-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□44-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□44-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□44-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

4) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
Horizontal main circuit connection									
I	630	630	85		**3WL1106-4□□42-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□42-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□42-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□42-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□42-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□42-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□42-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□42-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□42-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□42-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□42-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□42-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□42-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□42-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□42-□□□□**		1	1 unit	1CA
Vertical main circuit connection									
I	630	630	85		**3WL1106-4□□41-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□41-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□41-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□41-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□41-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□41-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□41-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□41-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□41-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□41-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□41-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□41-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□41-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-4□□41-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□41-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□41-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-4□□41-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[5]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

4) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

5) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Front main circuit connection, single hole									
II	800	800	100		**3WL1208-4□□43-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□43-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□43-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□43-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□43-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□43-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□43-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□43-□□□□**		1	1 unit	1CA
Front main circuit connection, double hole									
I	630	630	85		**3WL1106-4□□44-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□44-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□44-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□44-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□44-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□44-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□44-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□44-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□44-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□44-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□44-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□44-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□44-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□44-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[5]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

4) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

5) ETU15B cannot be used with 3WL1 circuit breakers, size III.

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 130/150 kA at 500 V, very high breaking capacity C (C)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
Horizontal main circuit connection									
II	1600	1600	130		**3WL1216-5□□42-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□42-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□42-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□42-□□□□**		1	1 unit	1CA
III	4000	4000	130		**3WL1340-5□□42-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□42-□□□□**		1	1 unit	1CA
Vertical main circuit connection									
II	1600	1600	130		**3WL1216-5□□41-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□41-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□41-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□41-□□□□**		1	1 unit	1CA
III	4000	4000	130		**3WL1340-5□□41-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□41-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-5□□41-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[3]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

3) ETU15B cannot be used with 3WL1 circuit breakers, size III.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

5) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	**I_{cu} 55/66 kA at 500 V, ECO breaking capacity N** (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
I	630	630	55		**3WL1106-2□□45-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□45-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□45-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□45-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□45-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□45-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□45-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□45-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□45-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□45-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□45-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□45-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□45-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-2□□45-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
I	630	630	55		**3WL1106-2□□46-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□46-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□46-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□46-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□46-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□46-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□46-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□46-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□46-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□46-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□46-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□46-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□46-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/48.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

5) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

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4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
With guide frames, vertical main circuit connection									
I	630	630	55		**3WL1106-2□□47-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□47-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□47-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□47-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□47-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□47-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□47-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□47-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□47-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□47-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□47-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□47-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□47-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-2□□47-□□□□**		1	1 unit	1CA
With guide frames, connecting flanges									
I	630	630	55		**3WL1106-2□□48-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-2□□48-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-2□□48-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-2□□48-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-2□□48-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-2□□48-□□□□**		1	1 unit	1CA
II	800	800	66		**3WL1208-2□□48-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-2□□48-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-2□□48-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-2□□48-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-2□□48-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-2□□48-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-2□□48-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

5) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
I	630	630	66		**3WL1106-3□□45-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□45-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□45-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□45-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□45-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□45-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□45-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□45-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□45-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□45-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□45-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□45-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□45-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-3□□45-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
I	630	630	66		**3WL1106-3□□46-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□46-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□46-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□46-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□46-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□46-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□46-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□46-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□46-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□46-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□46-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□46-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□46-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

5) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

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4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
With guide frames, vertical main circuit connection									
I	630	630	66		**3WL1106-3□□47-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□47-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□47-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□47-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□47-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□47-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□47-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□47-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□47-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□47-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□47-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□47-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□47-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-3□□47-□□□□**		1	1 unit	1CA
With guide frames, connecting flanges									
I	630	630	66		**3WL1106-3□□48-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-3□□48-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-3□□48-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-3□□48-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-3□□48-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-3□□48-□□□□**		1	1 unit	1CA
II	800	800	80		**3WL1208-3□□48-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-3□□48-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-3□□48-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-3□□48-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-3□□48-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-3□□48-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-3□□48-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

5) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
I	630	630	85		**3WL1106-4□□45-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□45-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□45-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□45-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□45-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□45-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□45-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□45-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□45-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□45-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□45-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□45-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□45-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-4□□45-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□45-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□45-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-4□□45-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
I	630	630	85		**3WL1106-4□□46-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□46-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□46-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□46-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□46-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□46-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□46-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□46-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□46-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□46-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□46-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□46-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□46-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□46-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□46-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

5) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H)		PU (UNIT, SET, M)	PS	PG
					Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	A	kA	d					
With guide frames, vertical main circuit connection									
I	630	630	85		**3WL1106-4□□47-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□47-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□47-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□47-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□47-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□47-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□47-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□47-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□47-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□47-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□47-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□47-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□47-□□□□**		1	1 unit	1CA
	4000	4000			**3WL1240-4□□47-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□47-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-4□□47-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-4□□47-□□□□**		1	1 unit	1CA
With guide frames, connecting flanges									
I	630	630	85		**3WL1106-4□□48-□□□□**		1	1 unit	1CA
	800	800			**3WL1108-4□□48-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1110-4□□48-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1112-4□□48-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1116-4□□48-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1120-4□□48-□□□□**		1	1 unit	1CA
II	800	800	100		**3WL1208-4□□48-□□□□**		1	1 unit	1CA
	1000	1000			**3WL1210-4□□48-□□□□**		1	1 unit	1CA
	1250	1250			**3WL1212-4□□48-□□□□**		1	1 unit	1CA
	1600	1600			**3WL1216-4□□48-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-4□□48-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-4□□48-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-4□□48-□□□□**		1	1 unit	1CA
III	4000	4000	100		**3WL1340-4□□48-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

5) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	SD	I_{cu} 130/150 kA at 500 V, very high breaking capacity C (C) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	A	kA	d					
Without guide frames[2] (for guide frames, see pages 1/56 to 1/61)									
II	1600	1600	130		**3WL1216-5□□45-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□45-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□45-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□45-□□□□**		1	1 unit	1CA
III	4000	4000	130		**3WL1340-5□□45-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□45-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-5□□45-□□□□**		1	1 unit	1CA
With guide frames, horizontal main circuit connection									
II	1600	1600	130		**3WL1216-5□□46-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□46-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□46-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□46-□□□□**		1	1 unit	1CA
III	4000	4000	130		**3WL1340-5□□46-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□46-□□□□**		1	1 unit	1CA
With guide frames, vertical main circuit connection									
II	1600	1600	130		**3WL1216-5□□47-□□□□**		1	1 unit	1CA
	2000	2000			**3WL1220-5□□47-□□□□**		1	1 unit	1CA
	2500	2500			**3WL1225-5□□47-□□□□**		1	1 unit	1CA
	3200	3200			**3WL1232-5□□47-□□□□**		1	1 unit	1CA
III	4000	4000	130		**3WL1340-5□□47-□□□□**		1	1 unit	1CA
	5000	5000			**3WL1350-5□□47-□□□□**		1	1 unit	1CA
	6300	6300			**3WL1363-5□□47-□□□□**		1	1 unit	1CA

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[4]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[5]	**EB**		✓
	ETU45B: Protection functions LSIN[5] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[5] with full graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[5][6]	**EG**		✓
	ETU45B: Protection functions LSING[5][6] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[5][6] with full graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/49.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/14.

4) ETU15B cannot be used with 3WL1 circuit breakers, size III.

5) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded star point of the transformer are to be ordered separately, see page 1/62. The internal current transformer for N conductors can be ordered by adding the supplement "**-Z**" and order code "F23", see page 1/51.

6) For ETU45B and ETU76B with GFM AT ground-fault protection module (alarm and tripping), see page 1/62.

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Options

Selection and ordering data

				Article No. supplement 3WL1...-.....- □□□□	Additional price
Operating mechanisms					
Manual operating mechanism with mechanical closing				**1**	**None**
Manual operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100% OP					
50/60 Hz V AC	V DC				
110	110 ... 125			**2**	✓
230	220			**3**	✓
Manual/motorized operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100% OP					
Motor		Closing coil			
50/60 Hz V AC	V DC	50/60 Hz V AC	V DC		
208 ... 240	220 ... 250	230	220	**4**	✓
110 ... 127	110 ... 125	110	110 ... 125	**5**	✓
--	24	--	24	**6**	✓
Note					
To order different voltages for motorized operating mechanism and closing coil or closing coil for synchronization purposes: "1" at the 13th digit of the Article No. and order codes, see page 1/50.					
1st auxiliary release					
Type	Condition	U_s 50/60 Hz V AC	U_s V DC		
Without 1st auxiliary releases	--	--	--	**A**	**None**
Shunt release suitable for uninterrupted duty, 100% OP	Operating range 0.85 ... 1.1 × U_s	--	24	**B**	✓
		--	30	**C**	✓
		--	48	**D**	✓
		--	60	**E**	✓
		110 ... 127	110 ... 125	**F**	✓
		208 ... 240	220 ... 250	**G**	✓
2nd auxiliary release					
Type	Condition	U_s 50/60 Hz V AC	U_s V DC		
Without 2nd auxiliary releases	--	--	--	**A**	**None**
Shunt release suitable for uninterrupted duty, 100% OP	Operating range 0.85 ... 1.1 × U_s	--	24	**B**	✓
		--	30	**C**	✓
		--	48	**D**	✓
		--	60	**E**	✓
		110 ... 127	110 ... 125	**F**	✓
		208 ... 240	220 ... 250	**G**	✓
Undervoltage release, instantaneous (≤ 80 ms), short-delay (≤ 200 ms)	Operating range 0.85 ... 1.1 × U_s	--	24	**J**	✓
		--	30	**K**	✓
		--	48	**L**	✓
		--	60	**U**	✓
		110 ... 127	110 ... 125	**M**	✓
		208 ... 240	220 ... 250	**N**	✓
		380 ... 415	--	**P**	✓
Undervoltage release, can be delayed between 0.2 s and 3.2 s	Operating range 0.85 ... 1.1 × U_s	--	48	**Q**	✓
		110 ... 127	110 ... 125	**R**	✓
		208 ... 240	220 ... 250	**S**	✓
		380 ... 415	--	**T**	✓
Auxiliary switches					
1st auxiliary switch block					
2 NO + 2 NC				**2**	**None**
1st + 2nd auxiliary switch block					
4 NO + 4 NC				**4**	✓
6 NO + 2 NC				**7**	✓
5 NO + 3 NC				**8**	✓

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).			**3WL....-.....-....-Z** □□□ +...+...	Additional price	
Operating manuals					
Printed version	French/Italian		**A 1 1**		
	Spanish/Portuguese		**A 1 2**		
Rated voltage 1000 V AC and 690 V IT networks				Additional price 3-pole	Additional price 4-pole
Conditions	Size	Rated current I_n			
Only for circuit breakers with high breaking capacity H (8th digit of the Article No. is a "4"). Cannot be combined with rated voltage 1150 V AC, order code "A15".	I[1]	Up to 2000 A	**A 0 5**	✓	✓
	II[1)2)]	Up to 2000 A	**A 0 5**	✓	✓
		2500 A	**A 0 5**	✓	✓
		3200 A / 4000 A	**A 0 5**	✓	✓
	III[1)3)]	4000 A	**A 0 5**	✓	✓
		5000 A	**A 0 5**	✓	✓
		6300 A	**A 0 5**	✓	✓
Rated voltage 1150 V AC					
Conditions	Size	Rated current I_n			
Only for circuit breakers with high breaking capacity H (8th digit of the Article No. is a "4"). Cannot be combined with rated voltage 1000 V AC, order code "A05".	II[2)]	Up to 2000 A	**A 1 5**	✓	✓
		2500 A	**A 1 5**	✓	✓
		3200 A	**A 1 5**	✓	✓
		4000 A	**A 1 5**	✓	✓
Note					
For size III select a circuit breaker with very high breaking capacity C, which can be used as standard up to 1150 V AC.					
Rated voltage 690 V AC (+ 20%)					
Conditions	Size	Rated current I_n			
Only for 3WL11 circuit breakers, size I, with high breaking capacity H (8th digit of the Article No. is a "4").	I	Up to 2000 A	**A 1 6**	✓	✓
Tinned version of the customer's connections on the guide frame[4)5)]					
Conditions	Size				
Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.	I		**A 0 8**		
	II		**A 0 8**		
	III		**A 0 8**		
Special packaging (moisture protection)				Additional price	
Special packaging for extended technical requirements					
Cardboard packaging with water-repellent coating on corrugated cardboard (moisture protection)			**A 6 1**	✓	
Rating plugs				Additional price	
Conditions	Size	Rated current I_n A			
Only one module is possible per circuit breaker (not in conjunction with Electronic Trip Unit ETU15B). As standard, the Electronic Trip Units are equipped with a rating plug which is equal to the maximum rated circuit breaker current ($I_{n\,max}$). The rated current of the selected rating plug must be smaller than $I_{n\,max}$.	I, II	250	**B 0 2**	**None**	
		315	**B 0 3**	**None**	
		400	**B 0 4**	**None**	
		500	**B 0 5**	**None**	
		630	**B 0 6**	**None**	
		800	**B 0 8**	**None**	
		1000	**B 1 0**	**None**	
	I, II, III	1250	**B 1 2**	**None**	
		1600	**B 1 6**	**None**	
		2000	**B 2 0**	**None**	
	II, III	2500	**B 2 5**	**None**	
		3200	**B 3 2**	**None**	
		4000	**B 4 0**	**None**	
	III	5000	**B 5 0**	**None**	
		6300	**B 6 3**	**None**	

1) When ordering withdrawable circuit breaker and guide frame separately, specify order code "A05" for withdrawable circuit breaker and guide frame.

2) Not possible for circuit breakers with very high breaking capacity C.

3) Not necessary for circuit breakers with very high breaking capacity C as these circuit breakers can be used as standard up to 1150 V AC.

4) Front connections are tinned as standard.

5) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

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Options

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

				3WL....-.....-....-Z ☐☐☐ **+...+...**	Additional price
Indication/operator control elements, door sealing frames					
5-digit mechanical operating cycles counter[1]				**C 0 1**	✓
Electrical ON button S10 in the operator panel[2] Possible only for circuit breakers with closing coil.	Button with sealing cap			**C 1 1**	✓
	Key operation with CES lock			**C 1 2**	✓
Spring charged signaling switch[2] **(S21)**	1 NO contact			**C 2 0**	✓
Ready-to-close signaling switches (S20)	1 NO contact			**C 2 2**	✓
Signaling switches[2]	For the first auxiliary release (S22)			**C 2 6**	✓
	For the second auxiliary release (S23)			**C 2 7**	✓
Motor shutdown switch in the operator panel[3] **(S12)**				**S 2 5**	✓
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton			**S 2 4**	✓
Door sealing frames				**T 4 0**	✓
Reclosing lockout and remote resets					
Automatic reset of the reclosing lockout				**K 0 1**	✓
1st tripped signaling switch[2][4] **(S24)**	1 CO contact			**K 0 7**	✓
2nd tripped signaling switch[2][4][8] **(S25)**	1 NO contact			**K 0 6**	✓
Type	50/60 Hz V AC	V DC			✓
Remote reset solenoid for displays and reset buttons including automatic reset of the reclosing lockout	--	24		**K 1 0**	✓
	--	48		**K 1 1**	✓
	120	125		**K 1 2**	✓
	208 ... 250	208 ... 250		**K 1 3**	✓
Motorized operating mechanism and closing/opening coils					
Type	Conditions	Motor 50/60 Hz V AC	V DC		
Motorized operating mechanism	Only possible if the 13th digit of the Article No. = "1"	--	24 ... 30	**M 0 1**	✓
		--	48 ... 60	**M 0 3**	✓
		110 ... 127	110 ... 125	**M 0 5**	✓
		208 ... 240	220 ... 250	**M 0 6**	✓
Type	Conditions	Activation solenoids 50/60 Hz V AC	V DC		
Closing coil suitable for uninterrupted duty, 100% OP	Only possible if the 13th digit of the Article No. = "1"	--	24	**M 2 1**	✓
		--	30	**M 2 2**	✓
		--	48	**M 2 3**	✓
		--	60	**M 2 4**	✓
		110 ... 127	110 ... 125	**M 2 5**	✓
		208 ... 240	220 ... 250	**M 2 6**	✓
Type	Conditions	Activation solenoids 50/60 Hz V AC	V DC		
Closing coil[5] **not suitable for uninterrupted duty, 5% OP, synchronizable**	Only possible if the 13th digit of the Article No. = "1"	--	24	**M 3 1**	✓
		--	48	**M 3 3**	✓
		110 ... 127	110 ... 125	**M 3 5**	✓
		208 ... 240	220 ... 250	**M 3 6**	✓
Type	Conditions	Activation solenoids 50/60 Hz V AC	V DC		
Opening coil (shunt release)[6][7]	Not suitable for uninterrupted duty, 5% OP, synchronizable	--	24	**M 4 1**	✓
		--	48	**M 4 3**	✓
		110 ... 127	110 ... 125	**M 4 5**	✓
		208 ... 240	220 ... 250	**M 4 6**	✓

1) Only possible with motorized operating mechanism.
2) Not possible with "communications interface" option, order code "F02" or "F12".
3) Only for breakers with motorized operating mechanism, not possible with order codes "C11", "C12".
4) Not available for non-automatic air circuit breakers.
5) Overexcited, i.e. switching time 50 ms (standard > 80 ms).
6) Only possible if the 14th digit of the Article No. for the circuit breaker is "A", i.e. "without 1st auxiliary release".
7) Overexcited, i.e. opening time 50 ms (standard > 80 ms).
8) Only possible with option "K07".

Minimum order quantity (PS) or a multiple thereof can be ordered.

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				3WL....-.....-....-Z ☐☐☐ +...+...	Additional price
Add **"-Z"** to the complete Article No. and indicate the appropriate order code(s).					
Interlocks, covers, position signaling switches (for fixed-mounted version)					
Mechanical interlocking (interlocking module with Bowden cable 2 m)	Fixed-mounted circuit breakers			**S 5 5**	✓
Interlocks, covers, position signaling switches (for withdrawable version)					
Mechanical interlocking (interlocking module with Bowden cable 2 m)	Variant				
	For withdrawable circuit breakers with guide frame			**R 5 5**	✓
	For guide frames			**R 5 6**	✓
	For withdrawable circuit breakers			**R 5 7**	✓
Arc chute covers Not available for - 1000 V version (order code "A05") - DC version - 4000 A, size II - 1150 V version (order code "A15") - 130 kA version, size II - 150 kA version, size III	Number of poles	Size			
	3-pole	I		**R 1 0**	✓
		II		**R 1 0**	✓
		III		**R 1 0**	✓
	4-pole	I		**R 1 0**	✓
		II		**R 1 0**	✓
		III		**R 1 0**	✓
Shutters 2-part lockable with padlocks[1]	Number of poles	Size			
	3-pole	I		**R 2 1**	✓
		II		**R 2 1**	✓
		III		**R 2 1**	✓
	4-pole	I		**R 2 1**	✓
		II		**R 2 1**	✓
		III		**R 2 1**	✓
Position signaling switches for guide frames	Connected position	Test position	Disconnected position		
	1 CO	1 CO	1 CO	**R 1 5**	✓
	3 CO	2 CO	1 CO	**R 1 6**	✓
Communication and metering functions					
Breaker status sensor (BSS)				**F 0 1**	✓
PROFIBUS DP communications interface[2]	Including COM15 and Breaker Status Sensor (BSS)			**F 0 2**	✓
MODBUS RTU communications interface[2]	Including COM16 and Breaker Status Sensor (BSS)			**F 1 2**	✓
Metering function *Plus* (without PROFIBUS/MODBUS communications interface)[3]				**F 0 5**	✓
Overload and short-circuit protection for neutral conductors					
Internal current transformer for N conductor Only possible with 4-pole circuit breakers with ETU27B to ETU76B	Size				
	I			**F 2 3**	✓
	II			**F 2 3**	✓
	III			**F 2 3**	✓
EMC filters					✓
EMC filters • Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) • Insertion loss (asymmetric) in the range 40 kHz to 10 MHz > 40 dB				**F 3 1**	

1) Padlocks not included in scope of supply.

2) When ordering withdrawable circuit breaker and guide frame separately, specify order code "F02" or "F12" for withdrawable circuit breaker only.

3) Additional voltage transformers are required for connection of the metering function *Plus*, see page 1/71.

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Options

		Add "-Z" to the complete Article No. and indicate the appropriate order code(s).	3WL....-.....-....-Z ☐☐☐ +...+...	Additional price
Locking devices (for fixed-mounted versions and withdrawable versions)				
Locking devices against unauthorized closing, in the operator panel The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204-1	Variant			
	Made by CES	**S 0 1**		✓
	Made by IKON	**S 0 3**		✓
	Assembly kit FORTRESS or Castell[1]	**S 0 5**		✓
	Assembly kit for padlocks[2]	**S 0 7**		✓
	Made by Ronis	**S 0 8**		✓
	Made by Profalux	**S 0 9**		✓
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton	**S 2 4**		✓
Locking devices for operating mechanism handles with padlock[2]		**S 3 3**		✓
Locking devices (for withdrawable version)				
Locking devices against unauthorized closing, for withdrawable circuit breakers The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1, consisting of a lock in the cabinet door, active in the connected position, function is retained when circuit breaker is replaced. Not possible in combination with order codes "R81", "R85" or "R86".	Variant			
	Made by CES	**R 6 1**		✓
	Made by Ronis	**R 6 8**		✓
	Made by Profalux	**R 6 0**		✓
Locking devices to prevent movement of the withdrawable circuit breakers Safety lock for mounting on the circuit breaker	Variant			
	Made by CES	**S 7 1**		✓
	Made by Profalux	**S 7 5**		✓
	Made by Ronis	**S 7 6**		✓
Locking mechanisms (for fixed-mounted versions)				
Locking mechanism Not possible in combination with order codes "R81", "R85" or "R86".	To prevent opening of the cabinet door in ON position	**S 3 0**		✓
Locking mechanisms (for withdrawable version)				
Locking mechanism Not possible in combination with order codes "R81", "R85" or "R86".	Variant			
	To prevent opening of the cabinet door in connected position	**R 3 0**		✓
	To prevent closing of circuit breaker with the cabinet door open[3][5]	**R 4 0**		✓
	To prevent movement with the cabinet door open[4]	**R 5 0**		✓
Locking mechanism to prevent movement of the withdrawable circuit breakers in disconnected position, consisting of Bowden cable and lock in the cabinet door. Not possible in combination with order codes "R30", "R50", "R61", "R68" or "R60".	Variant			
	Made by CES	**R 8 1**		✓
	Made by Profalux	**R 8 5**		✓
	Made by Ronis	**R 8 6**		✓
Connection methods for auxiliary conductors (for fixed-mounted and withdrawable versions)				
Connections for screwless terminals (tension spring)	Variant			
	Fixed-mounted	**N 6 1**		✓
	Withdrawable	**P 6 1**		✓

1) Locks must be ordered from the manufacturer.
2) Padlock not included in the scope of supply.
3) Not available in combination with R50.
4) Not available in combination with R40.
5) Combination with R81, R85 and R86 on request.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

			3WL....-.....-....-Z □□□ **+...+...**	Additional price 3-pole	Additional price 4-pole
For withdrawable circuit breakers with guide frames or for guide frames[1]					
Note					
To select this connection method, the 12th digit of the Article No. for the circuit breaker must be a "6".					
Connection methods for main connections	Size	Rated current I_n			
Top and bottom:[1] [2] accessible from front, single hole	I	Up to 1600 A	**P 0 0**	✓	✓
	II	Up to 2000 A	**P 0 0**	✓	✓
		Up to 2500 A	**P 0 0**	✓	✓
		Up to 3200 A	**P 0 0**	✓	✓
	III	Up to 4000 A	**P 0 0**	✓	✓
Connection methods for main connections	Size	Rated current I_n			
Top and bottom:[1] accessible from front, double hole	I	Up to 2000 A	**P 0 1**	✓	✓
	II	Up to 2000 A	**P 0 1**	✓	✓
		Up to 2500 A	**P 0 1**	✓	✓
		Up to 3200 A	**P 0 1**	✓	✓
	III	Up to 4000 A	**P 0 1**		
Connection methods for main connections	Size	Rated current I_n			
Top:[1] [2] horizontal Bottom: accessible from front, single hole	I	Up to 1600 A	**P 0 7**	✓	✓
	II	Up to 2000 A	**P 0 7**	✓	✓
		Up to 2500 A	**P 0 7**	✓	✓
		Up to 3200 A	**P 0 7**	✓	✓
	III	Up to 4000 A	**P 0 7**		
Connection methods for main connections	Size	Rated current I_n			
Top: vertical Bottom: horizontal	I	Up to 2000 A	**P 1 8**	✓	✓
	II	Up to 2000 A	**P 1 8**	✓	✓
		Up to 2500 A	**P 1 8**	✓	✓
		Up to 3200 A	**P 1 8**	✓	✓
	III	Up to 4000 A	**P 1 8**	✓	✓
		Up to 5000 A	**P 1 8**		
Connection methods for main connections	Size	Rated current I_n			
Top:[1] connecting flange Bottom: horizontal	I	Up to 2000 A	**P 1 9**	✓	✓
	II	Up to 2000 A	**P 1 9**	✓	✓
		Up to 2500 A	**P 1 9**	✓	✓
		Up to 3200 A	**P 1 9**	✓	✓
	III	Up to 4000 A	**P 1 9**		
Connection methods for main connections	Size	Rated current I_n			
Top: horizontal Bottom: vertical	I	Up to 2000 A	**P 2 3**	✓	✓
	II	Up to 2000 A	**P 2 3**	✓	✓
		Up to 2500 A	**P 2 3**	✓	✓
		Up to 3200 A	**P 2 3**	✓	✓
	III	Up to 4000 A	**P 2 3**	✓	✓
		Up to 5000 A	**P 2 3**		
Connection methods for main connections	Size	Rated current I_n			
Top:[1] horizontal Bottom: connecting flange	I	Up to 2000 A	**P 2 8**	✓	✓
	II	Up to 2000 A	**P 2 8**	✓	✓
		Up to 2500 A	**P 2 8**	✓	✓
		Up to 3200 A	**P 2 8**	✓	✓
	III	Up to 4000 A	**P 2 8**	✓	✓

[1] Cannot be used for size II and III circuit breakers with very high breaking capacity C

[2] Not for 3WL1 size I with high breaking capacity H

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Options

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z
☐☐☐ **+...+...**

For fixed-mounted circuit breakers								Additional price 3-pole	Additional price 4-pole
Note									
To select this connection method, the 12th digit of the Article No. for the circuit breaker must be a "2".									
Connection methods for main connections	Size	Rated current I_n							
Top:[1] horizontal Bottom: accessible from front, single hole	I	Up to 1600 A	**N**	**1**	**1**			✓	✓
	II	Up to 2000 A	**N**	**1**	**1**			✓	✓
		Up to 2500 A	**N**	**1**	**1**			✓	✓
		Up to 3200 A	**N**	**1**	**1**			✓	✓
	III[2]	Up to 4000 A	**N**	**1**	**1**				
Connection methods for main connections	Size	Rated current I_n							
Top: vertical Bottom: horizontal	I	Up to 1600 A	**N**	**2**	**0**			✓	✓
		Up to 2000 A	**N**	**2**	**0**			✓	✓
	II	Up to 2000 A	**N**	**2**	**0**			✓	✓
		Up to 2500 A	**N**	**2**	**0**			✓	✓
		Up to 3200 A	**N**	**2**	**0**			✓	✓
	III	Up to 4000 A	**N**	**2**	**0**			✓	✓
		Up to 5000 A	**N**	**2**	**0**				
Connection methods for main connections	Size	Rated current I_n							
Top: horizontal Bottom: vertical	I	Up to 1600 A	**N**	**2**	**4**			✓	✓
		Up to 2000 A	**N**	**2**	**4**			✓	✓
	II	Up to 2000 A	**N**	**2**	**4**			✓	✓
		Up to 2500 A	**N**	**2**	**4**			✓	✓
		Up to 3200 A	**N**	**2**	**4**			✓	✓
	III	Up to 4000 A	**N**	**2**	**4**			✓	✓
		Up to 5000 A	**N**	**2**	**4**			✓	✓

1) Not for 3WL1 size I with high breaking capacity H and circuit breakers with very high breaking capacity C

2) Not for size III with very high breaking capacity C

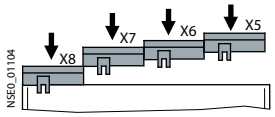
Minimum order quantity (PS) or a multiple thereof can be ordered.

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Overview

Determination of the number of auxiliary supply connectors required

This selection is only required if the guide frame is ordered under a separate Article No.



The required number of auxiliary supply connectors depends on the:
- Operating mechanism type
- Electronic Trip Unit with/without current transformer
- Type and number of auxiliary releases
- Number of auxiliary switches
- COM15/COM16 communications interface

		Number of auxiliary supply connectors	Terminal
a	**The first auxiliary supply connector X6 is always required.**	**1**	X6
b	**Operating mechanisms**		
b1	Manual operating mechanism with stored-energy feature with mechanical closing	**0**	
b2	Manual operating mechanism with stored-energy feature with mechanical and electrical closing	**0**	X6
b3	Manual/motorized operating mechanism with stored-energy feature with mechanical and electrical closing	**+1**	X5
c	**Electronic Trip Units**		
c1	Electronic Trip Units ETU15B, ETU25B, ETU27B	**0**	
c2	Electronic Trip Units ETU45B, ETU76B (internal Cubicle**BUS**)	**+1**	X8
	Connections for external current transformers for overload protection in the N conductor and ground fault protection		
c3	Current transformer installed in the N conductor (required with 3-pole circuit breakers if c2 is not selected)	**+1**	X8
c4	Current transformer in the neutral point of the transformer (required if c2 or c3 is not selected)	**+1**	X8
d	**Auxiliary releases**		
d1	With/without 1st auxiliary release (shunt release F1)	**0**	X6
d2	2nd auxiliary release (shunt release F2, undervoltage release F3, delayable undervoltage release F4)	**+1**	X5
e	**Auxiliary switch blocks**		
e1	1st auxiliary switch block 2 NO + 2 NC	**0**	X6
e2	1st and 2nd auxiliary switch block 4 NO + 4 NC or 6 NO + 2 NC or 5 NO + 3 NC (required if b3 or d2 is not selected)	**+1**	X5
f	**Communication modules**		
f1	Without communication module COM15/COM16	**0**	
f2	With communication module COM15/COM16 - occupies the entire terminal strip X7, making the following options no longer possible: • Tripped signaling switch S24 • Spring charged signaling switch S21 • Electrical ON button S10 • Signaling switch on first and second auxiliary release S22 + S23	**+1**	X7
g	**Optional signals/accessories**		
g1	Tripped signaling switch S24 (only when f2 not selected)	**+1**	X7
g2	Spring charged signaling switch S21 (only when f2 not selected, required if g1 not selected)	**+1**	X7
g3	Electric ON button S10 (only when f2 not selected, required if g1 or g2 not selected)	**+1**	X7
g4	Signaling switch at first auxiliary release S22 (only when f2 not selected, required if g1, g2 or g3 not selected)	**+1**	X7
g5	Signaling switch at second auxiliary release S23 (only when f2 not selected, required if g1, g2, g3 or g4 not selected)	**+1**	X7
g6	Ready-to-close signaling switch S20	**0**	X6
g7	Motor shutdown switch S12 (only if motorized operating mechanism selected)	**0**	X5
g8	Remote reset solenoid F7 (required if c2 not selected)	**+1**	X8
h	**Total number of auxiliary supply connectors**	**(max. 4)**	

For ordering the auxiliary supply connectors, see under "Accessories and spare parts, Guide frames for AC circuit breakers/ non-automatic air circuit breakers", page 1/56 to page 1/61 and under "Accessories and spare parts, Auxiliary conductor connections, Auxiliary supply connectors", page 1/67.

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Accessories and spare parts

Selection and ordering data

Guide frames for AC circuit breakers/non-automatic air circuit breakers

Size	Max. rated circuit breaker current $I_{n\,max}$	Breaking capacity $I_{cu} = I_{cs}$	SD	Guide frames for 3-pole circuit breakers/ non-automatic air circuit breakers Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	kA	d					
Front main circuit connection, single hole								
I	1000	... 66		**3WL9211-1AA□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2AA□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3AA□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4AA□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5AA□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6AA□□-□□A1**		1	1 unit	1CA
Front main circuit connection, double hole								
I	1000	... 66		**3WL9211-1AB□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2AB□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3AB□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3AB□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4AB□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5AB□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6AB□□-□□A1**		1	1 unit	1CA
Horizontal main circuit connection								
I	1000	... 66		**3WL9211-1AC□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2AC□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3AC□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3AC□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4AC□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5AC□□-□□A1**		1	1 unit	1CA
	3200	... 130		**3WL9212-5AC□□-□□C1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6AC□□-□□A1**		1	1 unit	1CA
	5000	... 100		**3WL9213-7AC□□-□□A1**		1	1 unit	1CA
	4000	... 150		**3WL9213-6AC□□-□□C1**		1	1 unit	1CA
	5000	... 150		**3WL9213-7AC□□-□□C1**		1	1 unit	1CA

Options								Additional price
Number of auxiliary supply connectors	None		**0**					**None**
	1 connector		**1**					✓
	2 connectors		**2**					✓
	3 connectors		**3**					✓
	4 connectors		**4**					✓
Note								
For required number of auxiliary supply connectors, see table on page 1/55.								
Type of auxiliary circuit connections	None[2]			**0**				**None**
	With screw connection (SIGUT, standard)			**1**				✓
	With screwless connection method (tension spring)			**2**				✓
Position signaling switches	None				**0**			**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO				**1**			✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO				**2**			✓
Shutters	None					**A**		**None**
	With shutter, 2-part, lockable	Size I				**B**		✓
		Size II				**B**		✓
		Size III				**B**		✓

[1] For 3WL1 air circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 air circuit breakers size I with rated current I_n = 2000 A.

[2] Can only be selected if the number of auxiliary supply connectors = 0.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL921.-.....-....-Z** □ □ □	Additional price
Rated voltage 1000 V AC and 690 V IT networks		
Size I (breaking capacity H)	**A 0 5**	✓
Size II (breaking capacity H), not for breaking capacities N, S and C	**A 0 5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity	**A 0 5**	✓
Rated voltage 1150 V AC		
Size II, except breaking capacity C and 4000 A (breaking capacity H)	**A 1 5**	✓
Rated voltage 690 V AC (+ 20%)		
Size I (breaking capacity H)	**A 1 6**	✓
Tinned version of the customer's connections on the guide frame[1)2)] Only for guide frames with horizontal connection or flange connection		
Size I	**A 0 8**	✓
Size II	**A 0 8**	✓
Size III	**A 0 8**	✓
Notes		
• For vertical main circuit connection and main circuit connection connecting flange, see the following page. • All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see page 1/49 to page 1/54.		

1) Front connections are tinned as standard.

2) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

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Accessories and spare parts

Size	Max. rated circuit breaker current $I_{n\,max}$	Breaking capacity $I_{cu} = I_{cs}$	SD	Guide frames for 3-pole circuit breakers/ non-automatic air circuit breakers Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	kA	d					
Vertical main circuit connection								
I	1000	... 66		**3WL9211-1AD□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2AD□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3AD□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3AD□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4AD□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5AD□□-□□A1**		1	1 unit	1CA
	3200	... 130		**3WL9212-5AD□□-□□C1**		1	1 unit	1CA
	4000	... 100		**3WL9212-6AD□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6AD□□-□□A1**		1	1 unit	1CA
	5000	... 100		**3WL9213-7AD□□-□□A1**		1	1 unit	1CA
	6300	... 100		**3WL9213-8AD□□-□□A1**		1	1 unit	1CA
	4000	... 150		**3WL9213-6AD□□-□□C1**		1	1 unit	1CA
	5000	... 150		**3WL9213-7AD□□-□□C1**		1	1 unit	1CA
	6300	... 150		**3WL9213-8AD□□-□□C1**		1	1 unit	1CA
Main circuit connection connecting flanges								
I	1000	... 66		**3WL9211-1AE□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2AE□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3AE□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3AE□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4AE□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5AE□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6AE□□-□□A1**		1	1 unit	1CA

Options							Additional price
Number of auxiliary supply connectors	None		**0**				**None**
	1 connector		**1**				✓
	2 connectors		**2**				✓
	3 connectors		**3**				✓
	4 connectors		**4**				✓
Note							
For required number of auxiliary supply connectors, see table on page 1/55.							
Type of auxiliary circuit connections	None[4]			**0**			**None**
	With screw connection (SIGUT, standard)			**1**			✓
	With screwless connection method (tension spring)			**2**			✓
Position signaling switches	None[4]				**0**		**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO				**1**		✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO				**2**		✓
Shutters	None					**A**	**None**
	With shutter,	Size I				**B**	✓
	2-part,	Size II				**B**	✓
	lockable	Size III				**B**	✓

	Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL921.-.....-....-Z** □ □ □	Additional price
Rated voltage 1000 V AC and 690 V IT networks			
Size I (breaking capacity H)		**A 0 5**	✓
Size II (breaking capacity H), not for breaking capacities N, S and C		**A 0 5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity		**A 0 5**	✓
Rated voltage 1150 V AC			
Size II, except breaking capacity C and 4000 A (breaking capacity H)		**A 1 5**	✓
Rated voltage 690 V AC (+ 20%)			
Size I (breaking capacity H)		**A 1 6**	✓
Tinned version of the customer's connections on the guide frame[1)2)] Only for guide frames with horizontal connection or flange connection			
Size I		**A 0 8**	✓
Size II		**A 0 8**	✓
Size III		**A 0 8**	✓
Notes			
• For vertical main circuit connection and main circuit connection connecting flange, see the following page. • All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see page 1/49 to page 1/54.			

1) For 3WL1 circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 circuit breakers size I with rated current I_n = 2000 A.
2) Front connections are tinned as standard.
3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.
4) Can only be selected if the number of auxiliary supply connectors = 0.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Breaking capacity $I_{cu} = I_{cs}$	SD	**Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers** Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	kA	d					
Front main circuit connection, single hole								
I	1000	... 66		**3WL9211-1BA□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2BA□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3BA□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4BA□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5BA□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6BA□□-□□A1**		1	1 unit	1CA
Front main circuit connection, double hole								
I	1000	... 66		**3WL9211-1BB□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2BB□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3BB□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3BB□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4BB□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5BB□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6BB□□-□□A1**		1	1 unit	1CA
Horizontal main circuit connection								
I	1000	... 66		**3WL9211-1BC□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2BC□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3BC□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3BC□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4BC□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5BC□□-□□A1**		1	1 unit	1CA
	3200	... 130		**3WL9212-5BC□□-□□C1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6BC□□-□□A1**		1	1 unit	1CA
	5000	... 100		**3WL9213-7BC□□-□□A1**		1	1 unit	1CA
	4000	... 130		**3WL9213-6BC□□-□□C1**		1	1 unit	1CA
	5000	... 130		**3WL9213-7BC□□-□□C1**		1	1 unit	1CA

Options					Additional price
Number of auxiliary supply connectors	None		**0**		**None**
	1 connector		**1**		✓
	2 connectors		**2**		✓
	3 connectors		**3**		✓
	4 connectors		**4**		✓
Note					
For required number of auxiliary supply connectors, see table on page 1/55.					
Type of auxiliary circuit connections	None[2]			**0**	**None**
	With screw connection (SIGUT, standard)			**1**	✓
	With screwless connection method (tension spring)			**2**	✓
Position signaling switches	None			**0**	**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO			**1**	✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO			**2**	✓
Shutters	None			**A**	**None**
	With shutter, 2-part, lockable	Size I		**B**	✓
		Size II		**B**	✓
		Size III		**B**	✓

[1] For 3WL1 circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 circuit breakers size I with rated current I_n = 2000 A.

[2] Can only be selected if the number of auxiliary supply connectors = 0.

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Accessories and spare parts

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL921.-.....-....-Z** □ □ □	Additional price
Rated voltage 1000 V AC and 690 V IT networks		
Size I (breaking capacity H)	**A 0 5**	✓
Size II (breaking capacity H), not for breaking capacities N, S and C	**A 0 5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity	**A 0 5**	✓
Rated voltage 1150 V AC		
Size II, except breaking capacity C and 4000 A (breaking capacity H)	**A 1 5**	✓
Rated voltage 690 V AC (+ 20%)		
Size I (breaking capacity H)	**A 1 6**	✓
Tinned version of the customer's connections on the guide frame[1)2)] Only for guide frames with horizontal connection or flange connection		
Size I	**A 0 8**	✓
Size II	**A 0 8**	✓
Size III	**A 0 8**	✓
Notes		
• For vertical main circuit connection and main circuit connection connecting flange, see the following page.		
• All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see page 1/49 to page 1/54.		

1) Front connections are tinned as standard.

2) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	Breaking capacity $I_{cu} = I_{cs}$	SD	**Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers** Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	kA	d					
Vertical main circuit connection								
I	1000	... 66		**3WL9211-1BD□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2BD□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3BD□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3BD□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4BD□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5BD□□-□□A1**		1	1 unit	1CA
	3200	... 130		**3WL9212-5BD□□-□□C1**		1	1 unit	1CA
	4000	... 100		**3WL9212-6BD□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6BD□□-□□A1**		1	1 unit	1CA
	5000	... 100		**3WL9213-7BD□□-□□A1**		1	1 unit	1CA
	6300	... 100		**3WL9213-8BD□□-□□A1**		1	1 unit	1CA
	4000	... 130		**3WL9213-6BD□□-□□C1**		1	1 unit	1CA
	5000	... 130		**3WL9213-7BD□□-□□C1**		1	1 unit	1CA
	6300	... 130		**3WL9213-8BD□□-□□C1**		1	1 unit	1CA
Main circuit connection connecting flanges								
I	1000	... 66		**3WL9211-1BE□□-□□A1**		1	1 unit	1CA
	1600	... 66		**3WL9211-2BE□□-□□A1**		1	1 unit	1CA
	2000[1]	... 85		**3WL9211-3BE□□-□□A1**		1	1 unit	1CA
II	2000	... 100		**3WL9212-3BE□□-□□A1**		1	1 unit	1CA
	2500	... 100		**3WL9212-4BE□□-□□A1**		1	1 unit	1CA
	3200	... 100		**3WL9212-5BE□□-□□A1**		1	1 unit	1CA
III	4000	... 100		**3WL9213-6BE□□-□□A1**		1	1 unit	1CA

Options						Additional price
Number of auxiliary supply connectors	None[4]		**0**			**None**
	1 connector		**1**			✓
	2 connectors		**2**			✓
	3 connectors		**3**			✓
	4 connectors		**4**			✓
Note						
For required number of auxiliary supply connectors, see table on page 1/55.						
Type of auxiliary circuit connections	None			**0**		**None**
	With screw connection (SIGUT, standard)			**1**		✓
	With screwless connection method (tension spring)			**2**		✓
Position signaling switches	None				**0**	**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO				**1**	✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO				**2**	✓
Shutters	None				**A**	**None**
	With shutter, 2-part, lockable	Size I			**B**	✓
		Size II			**B**	✓
		Size III			**B**	✓

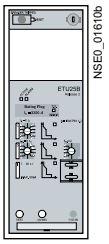
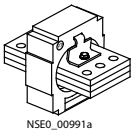
Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

	3WL921.-.....-....-Z □ □ □	Additional price
Rated voltage 1000 V AC and 690 V IT networks		
Size I (breaking capacity H)	**A 0 5**	✓
Size II (breaking capacity H), not for breaking capacities N, S and C	**A 0 5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity	**A 0 5**	✓
Rated voltage 1150 V AC		
Size II, except breaking capacity C and 4000 A (breaking capacity H)	**A 1 5**	✓
Rated voltage 690 V AC (+ 20%)		
Size I (breaking capacity H)	**A 1 6**	✓
Tinned version of the customer's connections on the guide frame[1)2)] Only for guide frames with horizontal connection or flange connection		
Size I	**A 0 8**	✓
Size II	**A 0 8**	✓
Size III	**A 0 8**	✓
Notes		
• For vertical main circuit connection and main circuit connection connecting flange, see the following page. • All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see page 1/49 to page 1/54.		

1) For 3WL1 circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 circuit breakers size I with rated current I_n = 2000 A.
2) Front connections are tinned as standard.
3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.
4) Can only be selected if the number of auxiliary supply connectors = 0.

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Accessories and spare parts

	Designation			SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
 NSE0_01610b 3WL931.-.AA.0-0AA2	**Protective device with device holder and optional metering function[1)]**								
	Type	With protection function	Metering function						
	ETU15B	LI	None		**3WL9311-5AA00-0AA2**		1	1 unit	1CA
	ETU25B	LSI	None		**3WL9312-5AA00-0AA2**		1	1 unit	1CA
	ETU27B	LSING	None		**3WL9312-7AA00-0AA2**		1	1 unit	1CA
	ETU45B (without display)	LSIN(G)	None		**3WL9314-5AA00-0AA2**		1	1 unit	1CA
			With metering function *Plus*		**3WL9314-5AA20-0AA2**		1	1 unit	1CA
	ETU76B	LSIN(G)	None		**3WL9317-6AA00-0AA2**		1	1 unit	1CA
			With metering function *Plus*		**3WL9317-6AA20-0AA2**		1	1 unit	1CA
 NSE0_00992b 3WL9111-0AA64-0AA0	**Rating plugs[2)]**								
	Size		Rated current I_n A						
	I, II		250		**3WL9111-0AA51-0AA0**		1	1 unit	1CA
			315		**3WL9111-0AA52-0AA0**		1	1 unit	1CA
			400		**3WL9111-0AA53-0AA0**		1	1 unit	1CA
			500		**3WL9111-0AA54-0AA0**		1	1 unit	1CA
			630		**3WL9111-0AA55-0AA0**		1	1 unit	1CA
			800		**3WL9111-0AA56-0AA0**		1	1 unit	1CA
			1000		**3WL9111-0AA57-0AA0**		1	1 unit	1CA
	I, II, III		1250		**3WL9111-0AA58-0AA0**		1	1 unit	1CA
			1600		**3WL9111-0AA61-0AA0**		1	1 unit	1CA
			2000		**3WL9111-0AA62-0AA0**		1	1 unit	1CA
	II, III		2500		**3WL9111-0AA63-0AA0**		1	1 unit	1CA
			3200		**3WL9111-0AA64-0AA0**		1	1 unit	1CA
			4000		**3WL9111-0AA65-0AA0**		1	1 unit	1CA
	III		5000		**3WL9111-0AA66-0AA0**		1	1 unit	1CA
			6300		**3WL9111-0AA67-0AA0**		1	1 unit	1CA
 NSE0_01027a 3WL9111-0AT53-0AA0	**Ground-fault modules[3)]**								
	Versions								
	• GFM AT 45B (only for ETU45B) alarm and tripping				**3WL9111-0AT53-0AA0**		1	1 unit	1CA
	• GFM AT 55B–76B (only for ETU76B) alarm and tripping				**3WL9111-0AT56-0AA0**		1	1 unit	1CA
 NSE0_01609 3WL9111-0AT81-0AA0	**Displays** • For ETU45B • 4-line				**3WL9111-0AT81-0AA0**		1	1 unit	1CA
 NSE0_00990a 3WL9111-0AA2.-0AA0	**Internal current transformers for N conductor** Including wiring kit								
	ETU Release 2		Size						
	--		I		**3WL9111-0AA11-0AA0**		1	1 unit	1CA
			II		**3WL9111-0AA12-0AA0**		1	1 unit	1CA
			III		**3WL9111-0AA13-0AA0**		1	1 unit	1CA
	✓		I		**3WL9111-0AA14-0AA0**		1	1 unit	1CA
			II		**3WL9111-0AA15-0AA0**		1	1 unit	1CA
			III		**3WL9111-0AA16-0AA0**		1	1 unit	1CA
 NSE0_00991a 3WL9111-0AA3.-0AA0	**External current transformers for N conductor** For ground fault protection with "vectorial summation current formation" measuring method for 3-pole circuit breakers								
	Copper connection pieces		Size						
	--		I		**3WL9111-0AA21-0AA0**		1	1 unit	1CA
			II		**3WL9111-0AA22-0AA0**		1	1 unit	1CA
			III		**3WL9111-0AA23-0AA0**		1	1 unit	1CA
	✓		I		**3WL9111-0AA31-0AA0**		1	1 unit	1CA
			II		**3WL9111-0AA32-0AA0**		1	1 unit	1CA
			III		**3WL9111-0AA33-0AA0**		1	1 unit	1CA
	EMC filters • Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) • Insertion loss (asymmetric) in the range 40 kHz to 10 MHz > 40 dB								
	Versions								
	• Not for ETU Release 2				**3WL9111-0AK32-0AA0**		1	1 unit	1CA
	• Only for ETU Release 2				**3WL9111-0AK34-0AA0**		1	1 unit	1CA

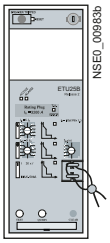
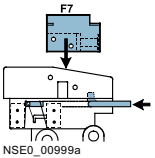
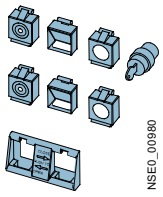
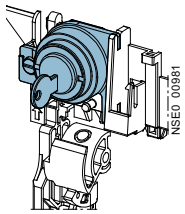
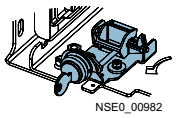
1) For replacement in existing circuit breakers, please specify the circuit breaker ID No. when ordering.

2) With the rating plug selected, the maximum rated current $I_{n\,max}$ of the circuit breaker must not be exceeded. The following applies: $I_n \leq I_{n\,max}$

3) For direct measurement of the ground-fault current, e.g. in the neutral point of the transformer, a 1200 A/1 A current transformer, class 1, is required. The internal load of the 3WL circuit breaker is 0.11 Ω. If the ground-fault current is to be determined using the vectorial sum of the phases, a transformer must be installed in the neutral conductor.

Minimum order quantity (PS) or a multiple thereof can be ordered.

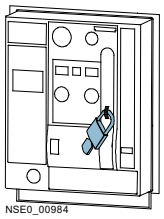
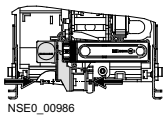
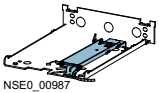
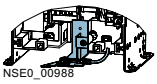
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	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
More accessories for Electronic Trip Units							
 3WL9111-0AT45-0AA0	**Sealable and lockable covers**						
	Versions						
	• For ETU15B to ETU45B		**3WL9111-0AT45-0AA0**		1	1 unit	1CA
	• For ETU76		**3WL9111-0AT46-0AA0**		1	1 unit	1CA
	Automatic reset of the reclosing lockout Spare part for option **K01,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AK21-0AA0**		1	1 unit	1CA
 3WL9111-0AK0.-0AA0	**Remote reset solenoids**[1] • For mechanical tripped indicator • Spare part for options **K10** to **K13,** see "**-Z**" + order code, page 1/50.						
	Note						
	Automatic reset of the reclosing lockout 3WL9111-0AK21-0AA0 also needed.						
	Versions						
	• 24 V DC		**3WL9111-0AK03-0AA0**		1	1 unit	1CA
	• 48 V DC		**3WL9111-0AK04-0AA0**		1	1 unit	1CA
	• 120 V AC/125 V DC		**3WL9111-0AK05-0AA0**		1	1 unit	1CA
	• 208-250 V AC/208-250 V DC		**3WL9111-0AK06-0AA0**		1	1 unit	1CA
	Retrofittable internal CubicleBUS wiring for connection to terminal X8 • For ETU45B and ETU76B • With male connector[2]		**3WL9111-0AK30-0AA0**		1	1 unit	1CA
	Retrofittable internal wiring for connection of the external N and G transformers to terminal X8 • Not for ETU Release 2 • Without male connector		**3WL9111-0AK31-0AA0**		1	1 unit	1CA
	Retrofittable internal wiring for connection of the external N and G transformers to terminal X8 • For ETU Release 2 • Without male connector		**3WL9111-0AK33-0AA0**		1	1 unit	1CA
Locking devices							
 3WL9111-0BA22-0AA0	**Interlocking set for mechanical ON/OFF** • Each consisting of 2 transparent covers for sealing or for attaching padlocks[4] • Cover with 6.35 mm hole (for tool actuation) • Lock mount for safety lock for key operation						
	Versions						
	• Without safety lock		**3WL9111-0BA21-0AA0**		1	1 unit	1CA
	• Made by CES		**3WL9111-0BA22-0AA0**		1	1 unit	1CA
	• Made by IKON		**3WL9111-0BA24-0AA0**		1	1 unit	1CA
 3WL9111-0BA31-0AA0	**Locking devices against unauthorized closing, in the operator panel** • The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1 • Spare part for options **S01** to **S09,** see "**-Z**" + order code, page 1/52.						
	Versions						
	• Assembly kit FORTRESS or CASTELL[3]		**3WL9111-0BA31-0AA0**		1	1 unit	1CA
	• Made by Ronis		**3WL9111-0BA33-0AA0**		1	1 unit	1CA
	• Made by KIRK-Key[3]		**3WL9111-0BA34-0AA0**		1	1 unit	1CA
	• Made by Profalux		**3WL9111-0BA35-0AA0**		1	1 unit	1CA
	• Made by CES		**3WL9111-0BA36-0AA0**		1	1 unit	1CA
	• Made by IKON		**3WL9111-0BA38-0AA0**		1	1 unit	1CA
	• Assembly kit for padlocks[4]		**3WL9111-0BA41-0AA0**		1	1 unit	1CA
 3WL9111-0BA53-0AA0	**Locking devices against unauthorized closing, for withdrawable circuit breakers** • The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1 • Consisting of lock in the guide frame, active in connected position, function is retained when circuit breaker is replaced • Spare part for options **R60, R61, R68**, see "**-Z**" + order code, page 1/52.						
	Versions						
	• Made by CES		**3WL9111-0BA51-0AA0**		1	1 unit	1CA
	• Made by IKON		**3WL9111-0BA53-0AA0**		1	1 unit	1CA
	• Made by KIRK-Key[3]		**3WL9111-0BA57-0AA0**		1	1 unit	1CA
	• Made by Ronis		**3WL9111-0BA58-0AA0**		1	1 unit	1CA
	• Made by Profalux		**3WL9111-0BA50-0AA0**		1	1 unit	1CA

1) Can only be used in conjunction with "automatic reset of reclosing lockout", e.g. "**-Z**" + "K01", 3WL9111-0AK21-0AA0.
2) Required if communication is retrofitted.
3) Locks, cylinders and keys must be ordered from the manufacturer.
4) Padlock not included in the scope of supply.

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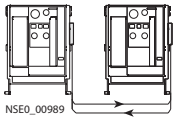
Accessories and spare parts

	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
 NSE0_00984 3WL9111-0BA71-0AA0	**Locking devices for operating mechanism handle with padlock**[1] Spare part for option **S33,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BA71-0AA0**		1	1 unit	1CA
 NSE0_00986 3WL9111-0BA76-0AA0	**Locking devices to prevent movement of the withdrawable circuit breakers** • Safety lock for mounting on the circuit breaker • Spare part for options **S71, S75, S76,** see "**-Z**" + order code, page 1/52.						
	Versions						
	• Made by CES		**3WL9111-0BA73-0AA0**		1	1 unit	1CA
	• Made by IKON		**3WL9111-0BA75-0AA0**		1	1 unit	1CA
	• Made by Profalux		**3WL9111-0BA76-0AA0**		1	1 unit	1CA
	• Made by Ronis		**3WL9111-0BA77-0AA0**		1	1 unit	1CA
	• Made by KIRK-Key[2]		**3WL9111-0BA80-0AA0**		1	1 unit	1CA
	Interlocking systems • Made by CES • 2 of the same keys for 3 circuit breakers • Locking device in OFF position • Lock in the operator panel • A maximum of 2 circuit breakers can be switched on		**3WL9111-0BA43-0AA0**		1	1 unit	1CA
Locking mechanisms							
 NSE0_00987 3WL9111-0BA83-0AA0	**Locking mechanisms to prevent movement of the withdrawable circuit breakers in disconnected position** • Consisting of Bowden cable and lock in the cabinet door on the circuit breaker • Spare part for options **R81**, **R85**, **R86,** see "**-Z**" + order code, page 1/49.						
	Versions						
	• Made by CES		**3WL9111-0BA81-0AA0**		1	1 unit	1CA
	• Made by IKON		**3WL9111-0BA83-0AA0**		1	1 unit	1CA
	• Made by Profalux		**3WL9111-0BA85-0AA0**		1	1 unit	1CA
	• Made by Ronis		**3WL9111-0BA86-0AA0**		1	1 unit	1CA
	Note						
	Not possible in combination with "Locking mechanism to prevent opening of the cabinet door" (order code "R30") or "Locking mechanism to prevent movement with the cabinet door open" (order code "R50").						
 NSE0_00988 3WL9111-0BB12-0AA0	**Locking mechanisms to prevent opening of the cabinet door in ON position** • Fixed-mounted • Can be defeated • Spare part for option **S30,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BB12-0AA0**		1	1 unit	1CA
	Locking mechanisms to prevent opening of the cabinet door • Guide frames • Can be defeated • Spare part for option **R30,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BB13-0AA0**		1	1 unit	1CA
	Note						
	Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").						
	Locking mechanisms to prevent movement with the cabinet door open • Guide frames • Spare part for option **R50,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BB15-0AA0**		1	1 unit	1CA
	Note						
	Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").						

1) Padlock not included in the scope of supply.
2) Locks, cylinders and keys must be ordered from the manufacturer.

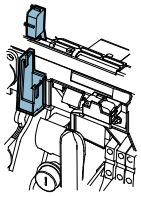
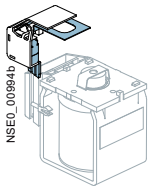
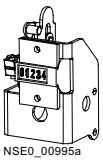
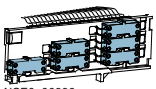
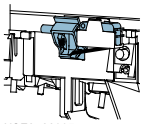
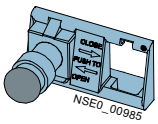
Minimum order quantity (PS) or a multiple thereof can be ordered.

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	Designation			SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Interlocks									
 NSE0_00989 3WL9111-0BB21-0AA0	**Mechanical interlocking** With Bowden cable 2000 mm (one required for each circuit breaker)								
	Type	When ordered separately	Spare part for						
	Fixed-mounted circuit breakers	--	Option **S55,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BB21-0AA0**		1	1 unit	1CA
	Module for withdrawable circuit breakers with guide frame	--	Option **R55,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BB24-0AA0**		1	1 unit	1CA
	Module for guide frame	✓	Option **R56,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BB22-0AA0**		1	1 unit	1CA
	Module for withdrawable circuit breaker	✓	Option **R57,** see "**-Z**" + order code, page 1/52.		**3WL9111-0BB23-0AA0**		1	1 unit	1CA
	Adapter for size III withdrawable circuit breaker	✓	--		**3WL9111-0BB30-0AA0**		1	1 unit	1CA
 NSE0_01886 3WL9112-8HA47-0AA0	**Couplings on the circuit breaker (with ring) for mutual interlocking** Can be used in all circuit breakers				**3WL9112-8AH47-0AA0**		1	1 unit	1CA
	Bowden cables								
	Versions								
	2000 mm				**3WL9111-0BB45-0AA0**		1	1 unit	1CA
	3000 mm				**3WL9111-0BB46-0AA0**		1	1 unit	1CA
	4500 mm				**3WL9111-0BB47-0AA0**		1	1 unit	1CA
Transfer control devices									
 3KC9000-8TL40 3KC9000-8EL10	**3KC ATC6300 and ATC3100 transfer control devices** For combination with two air circuit breakers/molded case circuit breakers for changeover according to IEC 60947-6-1. For more information, see chapter "Transfer Switching Equipment and Load Transfer Switches".								
Test devices									
	Manual tester Release 2 for Electronic Trip Units ETU15B to ETU76B For testing the Electronic Trip Unit functions of all 3WL ETUs (release 1 and release 2)				**3WL9111-0AT32-0AA0**		1	1 unit	1CA
	Function testers For testing the tripping characteristics for Electronic Trip Units ETU15B to ETU76B				**3WL9111-0AT44-0AA0**		1	1 unit	1CA
Capacitor storage devices									
	Capacitor storage devices • For shunt releases • Storage time 5 min				**3WL9111-0BA14-0AA0**		1	1 unit	1CA
	Rated control supply voltage/rated operational voltage								
	50/60 Hz V AC	V DC							
	220 ... 240	220 ... 250							
	Note								
	• Rated control supply voltage must match the rated control supply voltage of the shunt release. • Suitable also for 3VL, 3VA and 3WN circuit breakers.								

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Accessories and spare parts

	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Indicators, control elements							
 NSE0_00993a 3WL9111-0AH01-0AA0	**Ready-to-close signaling switches (S20)** • 1 NO contact • Spare part for option **C22,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AH01-0AA0**		1	1 unit	1CA
 NSE0_00994b 3WL9111-0AH02-0AA0	**Signaling switches[1)2)] (S22 or S23)** • 1st or 2nd auxiliary release • Spare part for options **C26** and **C27,** see "Z" + order code, page 1/50.		**3WL9111-0AH02-0AA0**		1	1 unit	1CA
	1st tripped signaling switch[1)2)] (S24) • 1 CO contact • Spare part for option **K07,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AH14-0AA0**		1	1 unit	1CA
	2nd tripped signaling switch[1)2)3)] (S25) • 1 NO contact • Spare part for option **K06,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AH17-0AA0**		1	1 unit	1CA
 NSE0_00995a 3WL9111-0AH07-0AA0	**Operating cycles counter** • Mechanical[4)] • Spare part for option **C01,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AH07-0AA0**		1	1 unit	1CA
	Spring charged signaling switch[1)2)] • 1 NO contact • Spare part for option **C20,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AH08-0AA0**		1	1 unit	1CA
 NSE0_00996a 3WL9111-0AH12-0AA0	**Position signaling switches for guide frames** Spare part for options **R15** and **R16,** see "Z" + order code, page 1/51. Versions						
	• 1st block (3 CO contacts)		**3WL9111-0AH11-0AA0**		1	1 unit	1CA
	• 2nd block (6 CO contacts)		**3WL9111-0AH12-0AA0**		1	1 unit	1CA
 NSE0_00997a 3WL9111-0AJ0.-0AA0	**Electrical ON buttons[1)5)] (S10)** • Button + wiring[2)] • For operator panel • Spare part for options **C11** and **C12**, see "Z" + order code, page 1/50. Versions						
	• With sealing cap **C11**		**3WL9111-0AJ02-0AA0**		1	1 unit	1CA
	• With CES assembly kit **C12**		**3WL9111-0AJ03-0AA0**		1	1 unit	1CA
	• With IKON assembly kit		**3WL9111-0AJ05-0AA0**		1	1 unit	1CA
	Note Possible only for circuit breakers with closing coil.						
	Motor shutdown switches[6)] (S12) • Mounting on operator panel • Spare part for option **S25,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AJ06-0AA0**		1	1 unit	1CA
 NSE0_00985 3WL9111-0BA72-0AA0	**EMERGENCY-STOP pushbuttons** • Mushroom pushbutton instead of the mechanical OFF pushbutton • Spare part for option **S24,** see "**-Z**" + order code, page 1/50.		**3WL9111-0BA72-0AA0**		1	1 unit	1CA

1) Not possible with "communications interface" option, order code "F02" or "F12".

2) X7 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see page 1/55 and page 1/67).

3) Can only be used in combination with 1st tripped signaling switch.

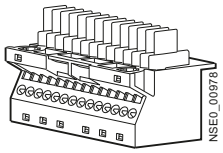
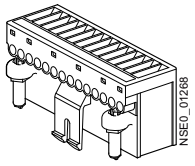
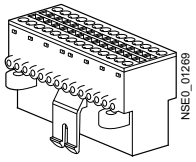
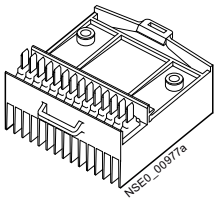
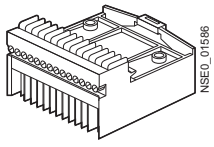
4) Only in conjunction with motorized operating mechanism.

5) Not possible with motor shutdown switch.

6) Not possible with electrical ON button.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Auxiliary conductor connections							
 3WL9111-0AB01-0AA0	**Male connectors for circuit breakers** ①		**3WL9111-0AB01-0AA0**		1	1 unit	1CA
	Extension for the 1000 V male connector versions Male connector must be ordered separately.		**3WL9111-0AB02-0AA0**		1	1 unit	1CA
	Male connectors and extension for 1000 V		**3WL9111-0AB10-0AA0**		1	1 unit	1EA
 3WL9111-0AB03-0AA0	**Auxiliary supply connectors for circuit breakers or guide frames** ②						
	Versions						
	• Screw connection (SIGUT) • Screwless connection method (tension spring)		**3WL9111-0AB03-0AA0** **3WL9111-0AB04-0AA0**		1 1	1 unit 1 unit	1CA 1CA
 3WL9111-0AB04-0AA0							
  3WL9111-0AB07-0AA0	**Coding kits** For fixed-mounted versions (X5 to X8) ③		**3WL9111-0AB07-0AA0**		1	1 unit	1CA
 3WL9111-0AB08-0AA0	**Sliding contact modules for guide frames** ④		**3WL9111-0AB08-0AA0**		1	1 unit	1CA
 3WL9111-0AB18-0AA0	**One-part sliding contact modules for guide frames** Screw connection (SIGUT) ⑤		**3WL9111-0AB18-0AA0**		1	1 unit	1CA
	Blanking blocks for circuit breakers		**3WL9111-0AB12-0AA0**		1	1 unit	1CA

For a complete auxiliary current connection you must order:

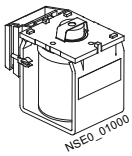
Fixed-mounted version: ① + ② + ③

Withdrawable version: ① + ④ + ② or ① + ⑤

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Accessories and spare parts

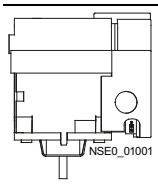
Auxiliary releases



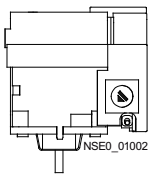
3WL9111-0AD06-0AA0

Closing coils/shunt releases

Versions	Voltage	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
100% OP	24 V DC	**3WL9111-0AD01-0AA0**		1	1 unit	1CA
	30 V DC	**3WL9111-0AD02-0AA0**		1	1 unit	1CA
	48 V DC	**3WL9111-0AD03-0AA0**		1	1 unit	1CA
	60 V DC	**3WL9111-0AD04-0AA0**		1	1 unit	1CA
	110 ... 125 V DC/110 ... 127 V AC	**3WL9111-0AD05-0AA0**		1	1 unit	1CA
	220 ... 250 V DC/208 ... 240 V AC	**3WL9111-0AD06-0AA0**		1	1 unit	1CA
5% OP[1]	24 V DC	**3WL9111-0AD11-0AA0**		1	1 unit	1CA
	48 V DC	**3WL9111-0AD12-0AA0**		1	1 unit	1CA
	110 ... 125 V DC/110 ... 127 V AC	**3WL9111-0AD13-0AA0**		1	1 unit	1CA
	220 ... 250 V DC/208 ... 240 V AC	**3WL9111-0AD14-0AA0**		1	1 unit	1CA



3WL9111-0AE0.-0AA0

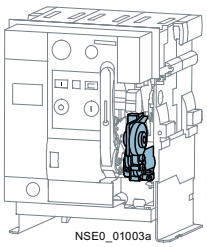


3WL9111-0AE1.-0AA0

Undervoltage releases

Versions	Voltage	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Instantaneous	24 V DC	**3WL9111-0AE01-0AA0**		1	1 unit	1CA
	30 V DC	**3WL9111-0AE02-0AA0**		1	1 unit	1CA
	48 V DC	**3WL9111-0AE03-0AA0**		1	1 unit	1CA
	60 V DC	**3WL9111-0AE07-0AA0**		1	1 unit	1CA
	110 ... 125 V DC/110 ... 127 V AC	**3WL9111-0AE04-0AA0**		1	1 unit	1CA
	220 ... 250 V DC/208 ... 240 V AC	**3WL9111-0AE05-0AA0**		1	1 unit	1CA
	380 ... 415 V AC	**3WL9111-0AE06-0AA0**		1	1 unit	1CA
Delayed	48 V DC	**3WL9111-0AE11-0AA0**		1	1 unit	1CA
	110 ... 125 V DC/110 ... 127 V AC	**3WL9111-0AE12-0AA0**		1	1 unit	1CA
	220 ... 250 V DC/208 ... 240 V AC	**3WL9111-0AE13-0AA0**		1	1 unit	1CA
	380 ... 415 V AC	**3WL9111-0AE14-0AA0**		1	1 unit	1CA

Operating mechanisms

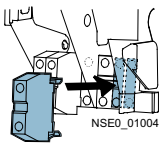


3WL9111-0AF0.-0AA0

Motorized operating mechanisms[2]

Versions	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
• 24 ... 30 V DC	**3WL9111-0AF01-0AA0**		1	1 unit	1CA
• 48 ... 60 V DC	**3WL9111-0AF02-0AA0**		1	1 unit	1CA
• 110 ... 125 V DC/110 ... 127 V AC	**3WL9111-0AF03-0AA0**		1	1 unit	1CA
• 220 ... 250 V DC/208 ... 240 V AC	**3WL9111-0AF04-0AA0**		1	1 unit	1CA

Auxiliary contacts



3WL9111-0AG03-0AA0

Auxiliary switch blocks

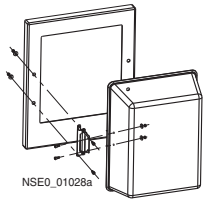
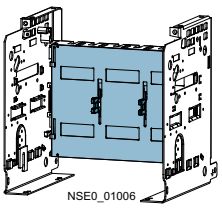
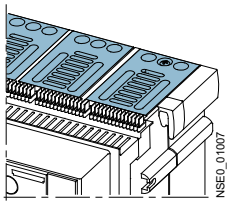
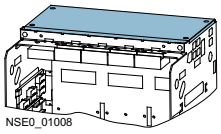
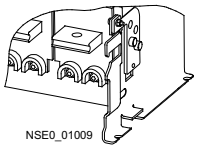
Versions	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
• 2 NO contacts + 2 NC contacts	**3WL9111-0AG01-0AA0**		1	1 unit	1CA
• 2 NO contacts	**3WL9111-0AG02-0AA0**		1	1 unit	1CA
• 1 NO contact + 1 NC contact	**3WL9111-0AG03-0AA0**		1	1 unit	1CA

[1] Overexcited, i.e. switching time 50 ms (standard > 80 ms).

[2] X5 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see page 1/55 and page 1/58).

Minimum order quantity (PS) or a multiple thereof can be ordered.

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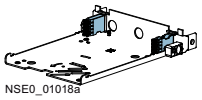
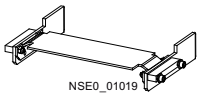
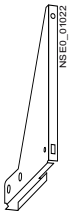
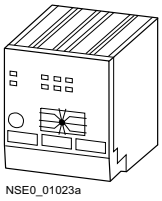
	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Door sealing frames, hoods, shutters							
	Door sealing frames Spare part for option **T40,** see "**-Z**" + order code, page 1/50.		**3WL9111-0AP01-0AA0**		1	1 unit	1CA
 NSE0_01028a 3WL9111-0AP02-0AA0	**Protective covers** IP55 Notes • Cannot be used in conjunction with door sealing frames • Hood removable and can be opened on both sides		**3WL9111-0AP02-0AA0**		1	1 unit	1CA
 NSE0_01006 3WL9111-0AP0.-0AA0	**Shutters** Spare part for option **R21,** see "**-Z**" + order code, page 1/51. Number of poles / Size						
	3-pole / I		**3WL9111-0AP04-0AA0**		1	1 unit	1CA
	3-pole / II[1]		**3WL9111-0AP06-0AA0**		1	1 unit	1CA
	3-pole / II C		**3WL9111-0AP43-0AA0**		1	1 unit	1CA
	3-pole / III		**3WL9111-0AP07-0AA0**		1	1 unit	1CA
	4-pole / I		**3WL9111-0AP08-0AA0**		1	1 unit	1CA
	4-pole / II[1]		**3WL9111-0AP11-0AA0**		1	1 unit	1CA
	4-pole / II C		**3WL9111-0AP44-0AA0**		1	1 unit	1CA
	4-pole / III		**3WL9111-0AP12-0AA0**		1	1 unit	1CA
Arc chutes							
 NSE0_01007 3WL9111-0AS0.-0AA0	**Arc chutes** Versions / Size						
	690 V / I		**3WL9111-0AS01-0AA0**		1	1 unit	1CA
	690 V / II[1]		**3WL9111-0AS02-0AA0**		1	1 unit	1CA
	690 V / II C		**3WL9111-0AS10-0AA0**		1	1 unit	1CA
	690 V / III		**3WL9111-0AS03-0AA0**		1	1 unit	1CA
	1000 V/1150 V / II		**3WL9111-0AS05-0AA0**		1	1 unit	1CA
	1000 V/1150 V / III		**3WL9111-0AS06-0AA0**		1	1 unit	1CA
 NSE0_01008 3WL9111-0AS3.-0AA0	**Arc chute covers**[2] • Parts kit for guide frame • Spare part for option **R10,** see "-Z" + order code, page 1/51. Number of poles / Size						
	3-pole / I		**3WL9111-0AS32-0AA0**		1	1 unit	1CA
	3-pole / II		**3WL9111-0AS36-0AA0**		1	1 unit	1CA
	3-pole / III		**3WL9111-0AS38-0AA0**		1	1 unit	1CA
	4-pole / I		**3WL9111-0AS42-0AA0**		1	1 unit	1CA
	4-pole / II		**3WL9111-0AS44-0AA0**		1	1 unit	1CA
	4-pole / III		**3WL9111-0AS46-0AA0**		1	1 unit	1CA
Coding for withdrawable version							
 NSE0_01009 3WL9111-0AR12-0AA0 3WL9111-0AR13-0AA0	**Coding for withdrawable version** By customer, for 36 coding variants Versions						
	• Sizes I and II		**3WL9111-0AR12-0AA0**		1	1 unit	1CA
	• Size III		**3WL9111-0AR13-0AA0**		1	1 unit	1CA

1) Cannot be used for 3WL1 size II with very high breaking capacity C

2) Not available for:
- 1000 V version (order code "A05")
- 1150 V version (order code "A15")
- DC version
- 4000 A size II
- Circuit breakers with very high breaking capacity C

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Accessories and spare parts

	Designation		SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Grounding connection								
 NSE0_01018a 3WL9111-0BA02-0AA0	**Grounding connection between the guide frame and the withdrawable circuit breaker** • For 30 kA ground short-circuit current[1] • Contacting modules for guide frame							
	Versions							
	• Sizes I and II[2] • Size III			**3WL9111-0BA01-0AA0** **3WL9111-0BA02-0AA0**		1 1	1 unit 1 unit	1CA 1CA
 NSE0_01019 3WL9111-0BA07-0AA0	**Contact modules for withdrawable circuit breakers**							
	Number of poles	Size						
	3-pole	I II[2] III		**3WL9111-0BA05-0AA0** **3WL9111-0BA06-0AA0** **3WL9111-0BA07-0AA0**		1 1 1	1 unit 1 unit 1 unit	1CA 1CA 1CA
	4-pole	I II[2] III		**3WL9111-0BA08-0AA0** **3WL9111-0BA04-0AA0** **3WL9111-0BA10-0AA0**		1 1 1	1 unit 1 unit 1 unit	1CA 1CA 1CA
Support brackets								
 NSE0_01022 3WL9111-0BB50-0AA0	**Support brackets** • For mounting fixed-mounted circuit breakers on vertical plane • Only for sizes I and II (1 set = 2 units)			**3WL9111-0BB50-0AA0**		1	1 unit	1CA
CubicleBUS modules[3][6]								
 NSE0_01023a 3WL9111-0AT23-0AA0	**Digital output modules with rotary coding switch, relay outputs**			**3WL9111-0AT26-0AA0**		1	1 unit	1CA
	Digital output modules, configurable, relay outputs			**3WL9111-0AT20-0AA0**		1	1 unit	1CA
	Digital input modules			**3WL9111-0AT27-0AA0**		1	1 unit	1CA
	Analog output modules			**3WL9111-0AT23-0AA0**		1	1 unit	1CA
	Zone Selective Interlocking modules			**3WL9111-0AT21-0AA0**		1	1 unit	1CA
Parameterization systems[4]								
	powerconfig commissioning and service software • Parameterization, operation, monitoring and diagnostics of 3WL air circuit breakers using powerconfig software, see chapter "Software", "Configuring, Visualizing and Controlling with SENTRON". • powerconfig is available free of charge at http://support.automation.siemens.com/WW/view/en/63452759							

1) For 60 kA ground short-circuit current, order 2.

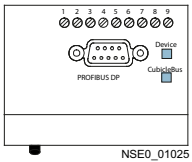
2) Cannot be used for size II with very high breaking capacity C and size II, 4000 A.

3) Each **Cubicle**BUS module is supplied with a 0.2 m pre-assembled cable to connect the modules with each other. A longer pre-assembled cable is required for connection to the circuit breaker.

4) All communication components, **Cubicle**BUS modules and metering functions are available for the ETU45B and ETU76B Electronic Trip Units.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Accessories for communication[3]							
	Pre-assembled cables for CubicleBUS **modules**						
	Versions						
	• 0.5 m long, for connection to 3WL with COM15/COM16		**3WL9111-0BC04-0AA0**		1	1 unit	1CA
	• 1 m long, for connection to 3WL with COM15/COM16		**3WL9111-0BC02-0AA0**		1	1 unit	1CA
	• 2 m long, for connection to 3WL with COM15/COM16		**3WL9111-0BC03-0AA0**		1	1 unit	1CA
	• 2 m long, for connection to 3WL without COM15/COM16		**3WL9111-0BC05-0AA0**		1	1 unit	1CA
	SENTRON manual for communication solutions • Detailed description of the communication functions for circuit breakers. Installation, connection, commissioning, data transmrission to the PLC. • Free download from: www.siemens.com/lowvoltage/manuals						
	Voltage transformers • 3-pole, for 3WL circuit breakers with metering function *Plus*[1] • 380 ... 690 V/100 V, class 0.5		**3WL9111-0BB68-0AA0**		1	1 unit	1CA
Retrofitting and spare parts[3] [4]							
	PROFIBUS retrofit kits Retrofit kit for PROFIBUS communications including COM15, BSS and set of cables for all 3WL air circuit breakers with ETU45B and ETU76B Electronic Trip Units		**3WL9111-0AT12-0AA0**		1	1 unit	1CA
 3WL9111-0AT15-0AA0	**COM15 PROFIBUS modules** For ETU45B and ETU76B Electronic Trip Units		**3WL9111-0AT15-0AA0**		1	1 unit	1CA
	COM16 MODBUS modules For ETU45B and ETU76B Electronic Trip Units		**3WL9111-0AT17-0AA0**		1	1 unit	1CA
	MODBUS IEC retrofit kits Retrofit kit for MODBUS communications including COM16, BSS and set of cables for all 3WL air circuit breakers with ETU45B and ETU76B Electronic Trip Units		**3WL9111-0AT18-0AA0**		1	1 unit	1CA
	Additional parts for retrofitting the COM15/COM16 communication modules In withdrawable version 3WL circuit breakers with Z options: • A05 (1000 V AC) or • A15 (1150 V AC) or • A16 (690 V + 20%)						
	Size						
	I		**3WL9111-0AT62-0AA0**		1	1 unit	1CA
	II/III		**3WL9111-0AT63-0AA0**		1	1 unit	1CA
	Breaker Status Sensor (BSS) For ETU45B and ETU76B Electronic Trip Units		**3WL9111-0AT16-0AA0**		1	1 unit	1CA
	Metering function *Plus*[2] • For ETUs Release 2 • Voltage transformer required		**3WL9111-0AT04-0AA0**		1	1 unit	1CA
	Transformer (without iron core), Rogowski coil only Used in converter applications with high harmonic components; can only be used with ETU45B or ETU76B • External 24 V DC supply required • Undervoltage release required Comprises: • Transformer • Warning signs • Manual						
	Number of poles / Size						
	3-pole / I		**3WL9111-0AA42-0AA0**		1	1 unit	1CA
	3-pole / II		**3WL9111-0AA43-0AA0**		1	1 unit	1CA
	3-pole / III		**3WL9111-0AA44-0AA0**		1	1 unit	1CA
	4-pole / I		**3WL9111-0AA45-0AA0**		1	1 unit	1CA
	4-pole / II		**3WL9111-0AA46-0AA0**		1	1 unit	1CA
	4-pole / III		**3WL9111-0AA47-0AA0**		1	1 unit	1CA

1) Is required for operation of the metering function *Plus*.

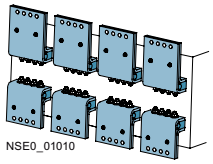
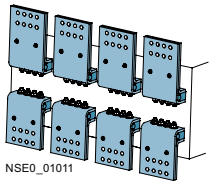
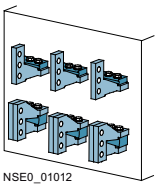
2) A measuring accuracy of 3% is reached if retrofitted.

3) All communication components, **Cubicle**BUS modules and metering functions are available for the ETU45B and ETU76B Electronic Trip Units.

4) For retrofitting the COM15 or COM16 communication modules in withdrawable 3WL circuit breakers with Z options A05 (1000 V AC), A15 (1150 V AC) or A16 (690 V + 20%), the following additional assembly kits are required:
3WL9111-0AT62-0AA0 for circuit breakers size I or 3WL9111-0AT63-0AA0 for circuit breakers size II/III

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Accessories and spare parts

	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main conductor connections, fixed-mounted versions (essential accessories)							
	Specified for each connection						
3WL9111-0AL06-0AA0	**Front-accessible main connections, single hole at top**[1]						
 NSE0_01010	Size / Rated current I_n						
	I / Up to 1000 A		**3WL9111-0AL01-0AA0**		1	1 unit	1CA
	I / 1250 A to 1600 A		**3WL9111-0AL02-0AA0**		1	1 unit	1CA
	II[4] / Up to 2000 A		**3WL9111-0AL03-0AA0**		1	1 unit	1CA
	II[4] / Up to 2500 A		**3WL9111-0AL04-0AA0**		1	1 unit	1CA
	II[4] / Up to 3200 A		**3WL9111-0AL05-0AA0**		1	1 unit	1CA
	III / Up to 4000 A		**3WL9111-0AL06-0AA0**		1	1 unit	1CA
3WL9111-0AL56-0AA0	**Front-accessible main connections, single hole at bottom**[1]						
	Size / Rated current I_n						
	I / Up to 1000 A		**3WL9111-0AL51-0AA0**		1	1 unit	1CA
	I / 1250 A to 1600 A		**3WL9111-0AL52-0AA0**		1	1 unit	1CA
	II[4] / Up to 2000 A		**3WL9111-0AL53-0AA0**		1	1 unit	1CA
	II[4] / Up to 2500 A		**3WL9111-0AL54-0AA0**		1	1 unit	1CA
	II[4] / Up to 3200 A		**3WL9111-0AL55-0AA0**		1	1 unit	1CA
	III / Up to 4000 A		**3WL9111-0AL56-0AA0**		1	1 unit	1CA
3WL9111-0AL14-0AA0	**Front-accessible main connections according to DIN 43673, double hole at top**						
 NSE0_01011	Size / Rated current I_n						
	I / Up to 1000 A[1]		**3WL9111-0AL07-0AA0**		1	1 unit	1CA
	I / 1250 A to 2000 A		**3WL9111-0AL08-0AA0**		1	1 unit	1CA
	II[4] / Up to 2000 A		**3WL9111-0AL11-0AA0**		1	1 unit	1CA
	II[4] / Up to 2500 A		**3WL9111-0AL12-0AA0**		1	1 unit	1CA
	II[4] / Up to 3200 A		**3WL9111-0AL13-0AA0**		1	1 unit	1CA
	III / Up to 4000 A		**3WL9111-0AL14-0AA0**		1	1 unit	1CA
3WL9111-0AL64-0AA0	**Front-accessible main connections according to DIN 43673, double hole at bottom**						
	Size / Rated current I_n						
	I / Up to 1000 A[1]		**3WL9111-0AL57-0AA0**		1	1 unit	1CA
	I / 1250 A to 2000 A		**3WL9111-0AL58-0AA0**		1	1 unit	1CA
	II[4] / Up to 2000 A		**3WL9111-0AL61-0AA0**		1	1 unit	1CA
	II[4] / Up to 2500 A		**3WL9111-0AL62-0AA0**		1	1 unit	1CA
	II[4] / Up to 3200 A		**3WL9111-0AL63-0AA0**		1	1 unit	1CA
	III / Up to 4000 A		**3WL9111-0AL64-0AA0**		1	1 unit	1CA
	Rear vertical main connections						
 NSE0_01012	Size / Rated current I_n						
3WL9111-0AM03-0AA0	I[2] / Up to 2000 A		**3WL9111-0AM01-0AA0**		1	1 unit	1CA
	II[3] / Up to 3200 A		**3WL9111-0AM02-0AA0**		1	1 unit	1CA
	III / Up to 6300 A		**3WL9111-0AM03-0AA0**		1	1 unit	1CA

1) Not for 3WL1 size I with high breaking capacity H.

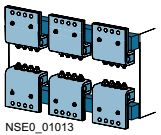
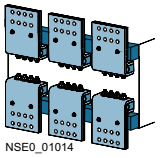
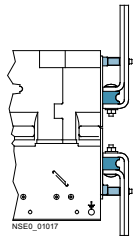
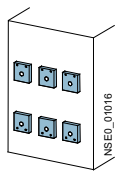
2) In the case of vertical connection size I with breaking capacity N and S, up to 1000 A one 3WL9111-0AM01-0AA0 vertical connection is required, up to 2000 A or with breaking capacity H two 3WL9111-0AM01-0AA0 vertical connections are required.

3) In the case of vertical connection size II, up to 2500 A one 3WL9111–0AM02-0AA0 vertical connection is required, up to 3200 A two 3WL9111-0AM02-0AA0 vertical connections are required.

4) Not for circuit breakers with very high breaking capacity C.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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	Designation		SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main conductor connections, withdrawable versions (essential accessories)								
	Specified for each connection							
 NSE0_01013 3WL9111-0AN06-0AA0	**Front-accessible main connections, single hole at top or at bottom[1) 2)]**							
	Size	Rated current I_n						
	I	Up to 1000 A		**3WL9111-0AN01-0AA0**		1	1 unit	1CA
		1250 A to 1600 A		**3WL9111-0AN02-0AA0**		1	1 unit	1CA
	II[3)]	Up to 2000 A		**3WL9111-0AN03-0AA0**		1	1 unit	1CA
		Up to 2500 A		**3WL9111-0AN04-0AA0**		1	1 unit	1CA
		Up to 3200 A		**3WL9111-0AN05-0AA0**		1	1 unit	1CA
	III	Up to 4000 A		**3WL9111-0AN06-0AA0**		1	1 unit	1CA
 NSE0_01014 3WL9111-0AN14-0AA0	**Front-accessible main connections according to DIN 43673, double hole at top or at bottom[1)]**							
	Size	Rated current I_n						
	I	Up to 1000 A[2)]		**3WL9111-0AN07-0AA0**		1	1 unit	1CA
		1250 A to 2000 A		**3WL9111-0AN08-0AA0**		1	1 unit	1CA
	II[3)]	Up to 2000 A		**3WL9111-0AN11-0AA0**		1	1 unit	1CA
		Up to 2500 A		**3WL9111-0AN12-0AA0**		1	1 unit	1CA
		Up to 3200 A		**3WL9111-0AN13-0AA0**		1	1 unit	1CA
	III	Up to 4000 A		**3WL9111-0AN14-0AA0**		1	1 unit	1CA
 NSE0_01017 3WL9111-0AN41-0AA0	**Supports for front and DIN connecting bars**							
	Number of poles	Size						
	3-pole for 3 bars	I		**3WL9111-0AN41-0AA0**		1	1 unit	1CA
		II		**3WL9111-0AN42-0AA0**		1	1 unit	1CA
		III		**3WL9111-0AN43-0AA0**		1	1 unit	1CA
	4-pole for 4 bars	I		**3WL9111-0AN44-0AA0**		1	1 unit	1CA
		II		**3WL9111-0AN45-0AA0**		1	1 unit	1CA
		III		**3WL9111-0AN46-0AA0**		1	1 unit	1CA
 NSE0_01015 3WL9111-0AN23-0AA0	**Rear vertical main connections**							
	Size	Rated current I_n						
	I	Up to 1000 A[2)]		**3WL9111-0AN15-0AA0**		1	1 unit	1CA
		1250 A to 2000 A		**3WL9111-0AN16-0AA0**		1	1 unit	1CA
	II	Up to 2000 A[3)]		**3WL9111-0AN17-0AA0**		1	1 unit	1CA
		Up to 2500 A[3)]		**3WL9111-0AN18-0AA0**		1	1 unit	1CA
		Up to 3200 A[3)]		**3WL9111-0AN21-0AA0**		1	1 unit	1CA
		1600 ... 3200 A[4)]		**3WL9111-0AN38-0AA0**		1	1 unit	1CA
	III	Up to 5000 A		**3WL9111-0AN22-0AA0**		1	1 unit	1CA
		Up to 6300 A, 3 busbar connection pieces for 3-pole circuit breakers		**3WL9111-0AN23-0AA0**		1	1 unit	1CA
		Up to 6300 A, at top, 4 busbar connection pieces for 4-pole circuit breakers		**3WL9111-0AN20-0AA0**		1	1 unit	1CA
		Up to 6300 A, at bottom, 4 busbar connection pieces for 4-pole circuit breakers		**3WL9111-0AN10-0AA0**		1	1 unit	1CA
	Rear horizontal main connections							
	Size	Rated current I_n						
	I	Up to 1000 A[2)]		**3WL9111-0AN32-0AA0**		1	1 unit	1CA
		1250 A to 2000 A		**3WL9111-0AN33-0AA0**		1	1 unit	1CA
	II	Up to 2000 A[3)]		**3WL9111-0AN34-0AA0**		1	1 unit	1CA
		Up to 2500 A[3)]		**3WL9111-0AN35-0AA0**		1	1 unit	1CA
		Up to 3200 A[3)]		**3WL9111-0AN36-0AA0**		1	1 unit	1CA
		1600 ... 3200 A[4)]		**3WL9111-0AN47-0AA0**		1	1 unit	1CA
	III	Up to 5000 A		**3WL9111-0AN37-0AA0**		1	1 unit	1CA
 NSE0_01016 3WL9111-0AN24-0AA0	**Connecting flange**							
	Size	Rated current I_n						
	I	Up to 1000 A[2)]		**3WL9111-0AN24-0AA0**		1	1 unit	1CA
		1250 A to 2000 A		**3WL9111-0AN25-0AA0**		1	1 unit	1CA
	II[3)]	Up to 2000 A		**3WL9111-0AN26-0AA0**		1	1 unit	1CA
		Up to 2500 A		**3WL9111-0AN27-0AA0**		1	1 unit	1CA
		Up to 3200 A		**3WL9111-0AN28-0AA0**		1	1 unit	1CA
	III	Up to 4000 A		**3WL9111-0AN31-0AA0**		1	1 unit	1CA

1) When using front-accessible main connections (withdrawable circuit breakers) supports are required.

2) Not for 3WL1 size I with high breaking capacity H.

3) Not for circuit breakers with very high breaking capacity C.

4) Only for circuit breakers with very high breaking capacity C.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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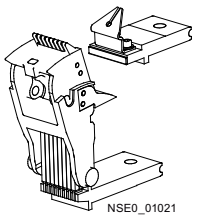
Accessories and spare parts

Conversion sets

Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers[1]
Guide frames and sliding contact modules must be ordered separately.

Number of poles	Size	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
3-pole	I			**3WL9111-0BC11-0AA0**		1	1 unit	1CA
	II			**3WL9111-0BC12-0AA0**		1	1 unit	1CA
	III			**3WL9111-0BC13-0AA0**		1	1 unit	1CA
4-pole	I			**3WL9111-0BC14-0AA0**		1	1 unit	1CA
	II			**3WL9111-0BC15-0AA0**		1	1 unit	1CA
	III			**3WL9111-0BC16-0AA0**		1	1 unit	1CA

Main contact elements


NSE0_01021

Main contact elements[2][4]

Size	$I_{n\,max}$	Designation	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
I	Up to 1600 A			**3WL9111-0AM90 L1Y**[3]		1	1 unit	1CA
II	Up to 2500 A			**3WL9111-0AM91 L1Y**[3]		1	1 unit	1CA
II	Up to 4000 A			**3WL9111-0AM92 L1Y**[3]		1	1 unit	1CA
III	Up to 6300 A			**3WL9111-0AM93 L1Y**[3]		1	1 unit	1CA

Notes

- The circuit breaker ID No. must be specified when ordering
- Specified for each connection (depending on the number of poles on the circuit breaker, order 3 or 4 units)
- Article No. is automatically adapted to the circuit breaker ID No.

1) Conversion from fixed-mounted to withdrawable is not possible for 3WL1 circuit breakers with very high breaking capacity C.

2) Not for circuit breakers with very high breaking capacity C.

3) Please specify the circuit breaker ID No. in plain text when ordering.

4) Replacement of the main contact elements for 3WL1 circuit breakers with very high breaking capacity C is only possible at the factory.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Options

Structure of the article number

3WL1 2 2 0 – 4 N G 3 1 – 1 F A 2

Example

5th digit:	Size	Size II
6th and 7th digits:	Max. rated circuit breaker current $I_{n\,max}$	$I_{n\,max}$ = 2000 A
8th digit:	Breaking capacity class	High breaking capacity "H": 100 kA
9th digit:	Electronic Trip Units	ETU76B with graphics display
	...	
10th digit:	Electronic Trip Unit supplement	... with ground-fault protection
11th digit:	Number of poles	Three-pole
12th digit:	Installation type	Fixed-mounted, main connections on rear, vertical
13th digit:	Operating mechanisms	Manual operating mechanism with mechanical closing
14th digit:	1st auxiliary release	Shunt release 50/60 Hz 110 V AC
15th digit:	2nd auxiliary release	Without 2nd auxiliary release
16th digit:	Auxiliary switches	2 NO contacts + 2 NC contacts

An important prerequisite for electronic order processing is that article numbers must be structured according to standardized criteria.

They are used as an unambiguous means of communication for various purposes:

- Offer processing
  Selection and configuration
- Order processing
  Orders
  Order confirmation
  Processing of products for storage
  Order processing in supply locations
  Supply and dispatch
- Reporting and planning
- Service and warranty

The standardized structure ensures that only one article number has to be administered for one device.

This saves time and effort during planning, configuring, ordering and in stock keeping, and consequently above all it saves costs.

The example opposite explains the various positions within an article number.

Accessories: With first order (components are already mounted)

Example

3WL1 2 1 6 – 4 J G 3 1 – 1 F A 3 – Z F 0 2

"–Z" with order code	Communications interface "Standard" + Breaker Status Sensor (BSS) + COM15 communication module for connection to PROFIBUS DP

Z F 0 2

Additional accessory components can be ordered ready-mounted.

These supplements are identified by **"-Z"**.

Even with additional components, one article number is sufficient.

Accessories: For retrofitting (components for subsequent fitting)

Example

3WL9 1 1 1 – 0 B A 2 1 – 0 A A 0

Interlocking set for mechanical ON/OFF without lock

Additional accessories which are not intended to be ready-mounted in the factory, such as spare parts for storage, can also be ordered separately from the circuit breaker.

Accessories for retrofitting are identified by the article number stem 3WL9.

Documentation

Operating manual	German/English	Article No.	**3ZX1812-0WL00-0AN4**
Complete set	French/Italian	Article No.	**3ZX1812-0WL00-0AJ3**
	Spanish/Portuguese	Article No.	**3ZX1812-0WL00-0AL3**
PROFIBUS manual	German	Article No.	**A5E01051347**
Communication	English	Article No.	**A5E01051353**
MODBUS RTU manual	German	Article No.	**3ZX1012-0WL10-1AB1**
Communication	English	Article No.	**3ZX1012-0WL10-1AC1**

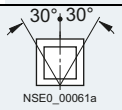
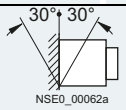
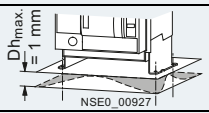
Free download of documentation from
www.siemens.com/lowvoltage/manuals

More information

Up-to-date information on the Internet at:
www.siemens.com/sentron

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Technical specifications

Size			I	II		
Type			**3WL11 20**	**3WL12 10**	**3WL12 20**	**3WL12 40**
Rated current I_n at 40 °C Main conductor		A	2000	... 1000	2000	4000
Rated operational voltage U_e (for 1000 V version, see "**-Z**" option and order code "A05", page 1/49)		V DC	1000	... 600/1000	... 600/1000	... 600/1000
Rated insulation voltage U_i		V DC	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp}						
• Main conducting paths		kV	12	12	12	12
• Auxiliary circuits		kV	4	4	4	4
• Control circuits		kV	2.5	2.5	2.5	2.5
Isolating function acc. to EN 60947-2			Yes	Yes	Yes	Yes
Utilization category				B		
Permissible ambient temperature						
• Operation		°C	–25/+70	–25/+70	–25/+70	–25/+70
• Storage		°C	–40/+70	–40/+70	–40/+70	–40/+70
Permissible load	Up to 40 °C	A	2000	1000	2000	4000
At rear horizontal main circuit	Up to 55 °C	A	1910	1000	2000	3640
connections	Up to 60 °C	A	1850	1000	2000	3500
(Cu painted black)	Up to 70 °C	A	1710	1000	1950	3250
Power loss at I_n for symmetrical loads Withdrawable circuit breakers		W	150	280	770	1640
Switching times						
• Make time		ms	35	35	35	35
• Opening time		ms	38	34	34	34
• Electrical make time (through activation solenoid)[1]		ms	100	100	100	100
• Electrical opening time (through shunt release)		ms	73	73	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73	73	73
Service life[3]						
• Mechanical (without maintenance)		Operating cycles	10000	10000	10000	10000
• Mechanical (with maintenance)[2]		Operating cycles	15000	15000	15000	15000
• Electrical (without maintenance)		Operating cycles	1000	6000	6000	4000
• 1000 V version		Operating cycles	1000	1000	1000	1000
• Electrical (with maintenance)[2]		Operating cycles	2000	15000	15000	15000
Switching frequency						
• 600 V version		1/h	--	60	60	60
• 1000 V version		1/h	20	20	20	20
Mounting position				 NSE0_00061a and/or  NSE0_00062a  NSE0_00927		
Degree of protection				IP20 without cabinet door, IP41 with door sealing frame, IP55 with cover		
Auxiliary conductors (Cu)	Standard connection = strain-relief clamp					
Max. number	• Without end sleeve			2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16); 1 × 2.5 mm² (AWG 14)		
Auxiliary conductors ×	• With end sleeve acc. to DIN 46228 Part 2			1 × 0.5 mm² (AWG 20) ... 1 × 1.5 mm² (AWG 16)		
cross-section	• With twin end sleeve			2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)		
(solid/stranded)	Optional connection = tension spring					
	• Without end sleeve			2 × 0.5 mm² (AWG 20) ... 2 × 2.5 mm² (AWG 14)		
	• With end sleeve acc. to DIN 46228 Part 2			2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)		
Weights 3-pole	• Fixed-mounted circuit breakers	kg	43	56	56	64
	• Withdrawable circuit breakers	kg	--	60	60	68
	• Guide frames	kg	--	31	31	45
4-pole	• Fixed-mounted circuit breakers	kg	50	67	67	77
	• Withdrawable circuit breakers	kg	--	72	72	82
	• Guide frames	kg	--	37	37	54

[1] Make time through activation solenoid for synchronization purposes (short-time excited) 50 ms.

[2] Maintenance means: Replace main contact elements and arc chutes (see Operating Manual).

[3] Further technical specifications on request.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Breaking capacity

Size			I (DC)	II (DC)
Type			**3WL11**	**3WL12**
Breaking capacity			**DC**	**DC**
Short-circuit breaking capacity				
Up to 220 V DC	I_{cc}	kA	20	35
Up to 300 V DC	I_{cc}	kA	20	30
Up to 600 V DC	I_{cc}	kA	20	25
Up to 1000 V DC	I_{cc}	kA	20	20
Rated short-time withstand current I_{cw}				
0.5 s		kA	--	--
1 s		kA	20	35[1]/30[2]/25[3]/20[4]
2 s		kA	--	--
3 s		kA	--	--

(N) Circuit breakers with ECO breaking capacity N

(S) Circuit breakers with standard breaking capacity S

(H) Circuit breakers with high breaking capacity H

(C) Circuit breakers with very high breaking capacity C

(DC) Non-automatic air circuit breakers with DC breaking capacity

These breaking capacities are indicated in the corresponding tables by the symbols shown on orange backgrounds.

Note:

- For further technical specifications, see the Configuration Manual "Air Circuit Breakers" (www.siemens.com/lowvoltage/manuals).

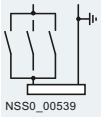
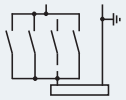
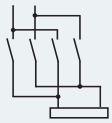
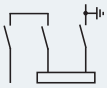
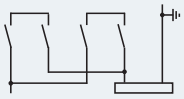
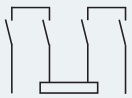
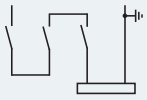
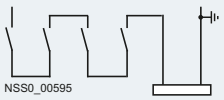
Abbreviations* (functions)	English long text	Explanation
L	Long Time Delay	Overload protection
S	Short Time Delay	Short-circuit protection (short-time delayed)
I	Instantaneous	Short-circuit protection (instantaneous)
N	Neutral Protection	Neutral conductor protection
G	Ground Fault	Ground-fault protection

* Designations according to IEC 60947-2, Annex K.

1) At U_e = 220 V DC
2) At U_e = 300 V DC
3) At U_e = 600 V DC
4) At U_e = 1000 V DC

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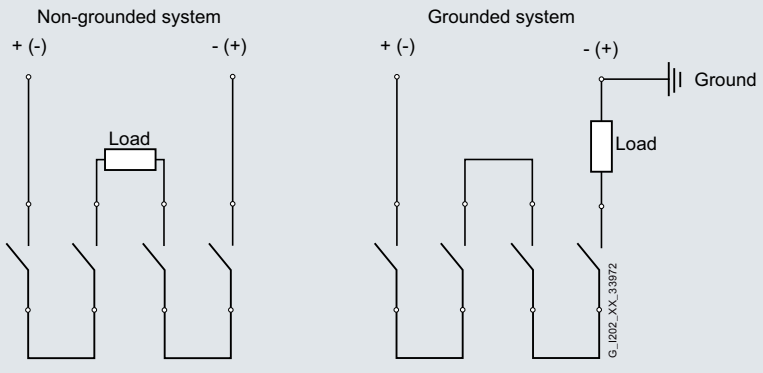
Application examples size II – non-automatic air circuit breakers for DC

Rated operational voltage	Required series-connected contact gaps at rated voltage	For 3-pole non-automatic air circuit breakers (operational currents up to 4000 A/conducting path)		For 4-pole non-automatic air circuit breakers (operational currents up to 4000 A/conducting path)	
Up to 300 V + 10%		 NSS0_00539 1-pole, 2 parallel conducting paths, only with grounded system	 2-pole	 1-pole, 3 parallel conducting paths, only with grounded system	 2-pole 2 parallel conducting paths
Over 300 V + 10% Up to 600 V + 10%		 2-pole, only with grounded system		 1-pole, 2 parallel conducting paths, only with grounded system	 2-pole
Over 600 V + 10% Up to 1000 V + 10% (version for 1000 V required, order with "**-Z**" and code A05)		 1-pole, only with grounded system		 2-pole, only with grounded system	 NSS0_00595 1-pole, only with grounded system

Connection to the circuit breakers is independent of the direction and polarity; the circuit diagrams can be converted analogously. If the parallel or series connections are established directly to the connecting bars, for thermal reasons the circuit breakers may only be subjected continuously to 80% of the permissible operational current. If the parallel or series connection is made at a distance of 1 m from the connecting bars, the circuit breaker can be used at full operational current load.
⊣⊪ Grounded system
◘ Load

Application examples size I – non-automatic air circuit breakers for DC

Permissible interconnections
Circuit diagrams for size I
1000 V DC non-automatic air circuit breakers



More information

Up-to-date information on the Internet at:

www.siemens.com/sentron

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Selection and ordering data

For general data, see page 1/10.

Size	Max. rated circuit breaker current $I_{n\,max}$	SD	**3-pole non-automatic air circuit breakers** (DC)	PU (UNIT, SET, M)	PS	PG
	A	d	Article No. www.siemens.com/product?Article No. / Price per PU			
Horizontal main circuit connection						
II	1000		**3WL1210-8□□32-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□32-□□□□**	1	1 unit	1CA
	4000[1]		**3WL1240-8□□32-□□□□**	1	1 unit	1CA
Vertical main circuit connection						
II	1000		**3WL1210-8□□31-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□31-□□□□**	1	1 unit	1CA
	4000[1]		**3WL1240-8□□31-□□□□**	1	1 unit	1CA
Front main circuit connection, single hole						
II	1000		**3WL1210-8□□33-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□33-□□□□**	1	1 unit	1CA
Front main circuit connection, double hole						
II	1000		**3WL1210-8□□34-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□34-□□□□**	1	1 unit	1CA

Options				Add. price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Operating mechanisms	Manual operating mechanism with mechanical closing		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

Size	Max. rated circuit breaker current $I_{n\,max}$	SD	**4-pole non-automatic air circuit breakers** (DC)	PU (UNIT, SET, M)	PS	PG
	A	d	Article No. www.siemens.com/product?Article No. / Price per PU			
Horizontal main circuit connection						
I[3]	2000		**3WL1120-8□□42-□□□□**	1	1 unit	1CA
II	1000		**3WL1210-8□□42-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□42-□□□□**	1	1 unit	1CA
	4000[1]		**3WL1240-8□□42-□□□□**	1	1 unit	1CA
Vertical main circuit connection						
I[3]	2000		**3WL1120-8□□41-□□□□**	1	1 unit	1CA
II	1000		**3WL1210-8□□41-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□41-□□□□**	1	1 unit	1CA
	4000[1]		**3WL1240-8□□41-□□□□**	1	1 unit	1CA
Front main circuit connection, single hole						
II	1000		**3WL1210-8□□43-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□43-□□□□**	1	1 unit	1CA
Front main circuit connection, double hole						
II	1000		**3WL1210-8□□44-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□44-□□□□**	1	1 unit	1CA

Options				Add. price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Operating mechanisms	Manual operating mechanism with mechanical closing		**1AA2**	**None**
	For further Article No. supplements, see page 1/48			

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL12.0-8....-....-Z
□ □ □

Condition	Size	Rated current I_n				Additional price 3-pole	Additional price 4-pole
Rated voltage 1000 V DC	II	Up to 2000 A	**A**	**0**	**5**	✓	✓
		Up to 4000 A	**A**	**0**	**5**	✓	✓

Note

For voltages over 600 V use the version for 1000 V DC rated voltage for size II: Order with "-Z" and order code "A05".
All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see "3WL1 Air Circuit Breakers/ Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/49.
An external overload and short-circuit protection device is available from the company "mat" for the 3WL1 non-automatic air circuit breakers. Available only directly from the company "mat" – Maschinen- und Anlagentechnik (for the address, see page 1/81).

1) Provisions to dissipate heat must be made on the line side.

2) For permissible rated short-time current I_{cw} and short-circuit breaking capacity I_{cc} for non-automatic air circuit breakers, see page 1/14.

3) 3WL1120-8 DC non-automatic air circuit breakers are designed for a rated voltage of 1000 V DC.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	SD	3-pole non-automatic air circuit breakers (DC)	PU (UNIT, SET, M)	PS	PG
	A	d	Article No. www.siemens.com/product?Article No. / Price per PU			
Without guide frames (for guide frames, see page 1/82)						
II	1000		**3WL1210-8□□35-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□35-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□35-□□□□**	1	1 unit	1CA
With guide frames, horizontal main circuit connection						
II	1000		**3WL1210-8□□36-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□36-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□36-□□□□**	1	1 unit	1CA
With guide frames, vertical main circuit connection						
II	1000		**3WL1210-8□□37-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□37-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□37-□□□□**	1	1 unit	1CA
With guide frames, connecting flanges						
II	1000		**3WL1210-8□□38-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□38-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□38-□□□□**	1	1 unit	1CA

Options			Additional price
Non-automatic air circuit breakers [2]	Without Electronic Trip Units	**AA**	**None**
Operating mechanisms	Manual operating mechanism with mechanical closing	**1AA2**	**None**
	For further Article No. supplements, see page 1/48		

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL12.0-8..3.-....-Z □ □ □

Condition	Size	Rated current I_n				Additional price 3-pole
Rated voltage 1000 V DC	II [4]	Up to 2000 A	**A**	**0**	**5**	✓
		Up to 4000 A	**A**	**0**	**5**	✓
Tinned version of the customer's connections on the guide frame [3]. Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.	II		**A**	**0**	**8**	✓

Note

For voltages over 600 V use the version for 1000 V DC rated voltage: Order with "**-Z**" and order code "A05".

All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/49.

An external overload and short-circuit protection device is available from the company "mat" for the 3WL1 non-automatic air circuit breakers.

Available only directly from the company "mat" – Maschinen- und Anlagentechnik (for the address, see page 1/81).

1) Provisions to dissipate heat must be made on the line side.

2) For permissible rated short-time current I_{cw} and short-circuit breaking capacity I_{cc} for non-automatic air circuit breakers, see page 1/14.

3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

4) When ordering withdrawable circuit breaker and guide frame separately, specify order code "A05" for withdrawable circuit breaker and guide frame.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	SD	4-pole non-automatic air circuit breakers (DC)	PU (UNIT, SET, M)	PS	PG
	A	d	Article No. www.siemens.com/product?Article No.	Price per PU		
Without guide frames (for guide frames, see page 1/82)						
II	1000		**3WL1210-8□□45-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□45-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□45-□□□□**	1	1 unit	1CA
With guide frames, horizontal main circuit connection						
II	1000		**3WL1210-8□□46-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□46-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□46-□□□□**	1	1 unit	1CA
With guide frames, vertical main circuit connection						
II	1000		**3WL1210-8□□47-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□47-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□47-□□□□**	1	1 unit	1CA
With guide frames, connecting flanges						
II	1000		**3WL1210-8□□48-□□□□**	1	1 unit	1CA
	2000		**3WL1220-8□□48-□□□□**	1	1 unit	1CA
	4000 [1]		**3WL1240-8□□48-□□□□**	1	1 unit	1CA

Options			Additional price
Non-automatic air circuit breakers [2]	Without Electronic Trip Units	**AA**	**None**
Operating mechanisms	Manual operating mechanism with mechanical closing	**1AA2**	**None**
	For further Article No. supplements, see page 1/48		

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).			**3WL12.0-8..4.-....-Z** □ □ □	Additional price 4-pole
Condition	Size	Rated current I_n		
Rated voltage 1000 V DC	II [4]	Up to 2000 A	**A 0 5**	✓
		Up to 4000 A	**A 0 5**	✓
Tinned version of the customer's connections on the guide frame [3]. Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.	II		**A 0 8**	✓

Note

For voltages over 600 V use the version for 1000 V DC rated voltage: Order with "**-Z**" and order code "A05".

All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/49.

An external overload and short-circuit protection device is available from the company "mat" for the 3WL1 non-automatic air circuit breakers.

Available only directly from the company "mat" – Maschinen- und Anlagentechnik [5].

1) Provisions to dissipate heat must be made on the line side.

2) For permissible rated short-time current I_{cw} and short-circuit breaking capacity I_{cc} for non-automatic air circuit breakers, see page 1/14.

3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

4) When ordering withdrawable circuit breaker and guide frame separately, specify order code "A05" for withdrawable circuit breaker and guide frame.

5) **mat – Maschinen- und Anlagentechnik**
Dr. Becker GmbH
Rudolf-Diesel-Strasse 22
22941 Bargteheide, Germany
Tel.: +49 (45 32) 20-2101
Fax: +49 (45 32) 20-2121
Email: info@m-a-t.de
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Accessories and spare parts

Selection and ordering data

Guide frames for DC non-automatic air circuit breakers

Size	Max. rated circuit breaker current $I_{n\,max}$ A	SD d	**Guide frames for 3-pole non-automatic air circuit breakers** Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Front main circuit connection, single hole							
II	2000		**3WL9212-3DA□□-□□A1**		1	1 unit	1CA
Front main circuit connection, double hole							
II	2000		**3WL9212-3DB□□-□□A1**		1	1 unit	1CA
Horizontal main circuit connection							
II	2000		**3WL9212-3DC□□-□□A1**		1	1 unit	1CA
	4000		**3WL9212-6DC□□-□□A1**		1	1 unit	1CA
Vertical main circuit connection							
II	2000		**3WL9212-3DD□□-□□A1**		1	1 unit	1CA
	4000		**3WL9212-6DD□□-□□A1**		1	1 unit	1CA
Main circuit connection connecting flanges							
II	2000		**3WL9212-3DE□□-□□A1**		1	1 unit	1CA
	4000		**3WL9212-6DE□□-□□A1**		1	1 unit	1CA

Options					Additional price 3-pole
Number of auxiliary supply connectors	None	**0**			**None**
	1 connector	**1**			✓
	2 connectors	**2**			✓
	3 connectors	**3**			✓
	4 connectors	**4**			✓
Note					
For table for required number of auxiliary supply connectors, see page 1/55.					
Type of auxiliary circuit connections	None[2]		**0**		**None**
	With screw connection (SIGUT, standard)		**1**		✓
	With screwless connection method (tension spring)		**2**		✓
Position signaling switches	None			**0**	**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO			**1**	✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO			**2**	✓
Shutters	None				**None**
	With shutter, 2-part, lockable				

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

	3WL9212-.....-..A1-Z □□□	Additional price
Rated voltage 1000 V DC		
Size II	**A05**	✓
Tinned version of the customer's connections on the guide frame[1] Only for guide frames with horizontal connection or flange connection		
Size II	**A08**	✓

Notes

- For guide frames for 4-pole DC non-automatic air circuit breakers, see the following page.
- All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/49.

[1] The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

[2] Can only be selected if the number of auxiliary supply connectors = 0.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Size	Max. rated circuit breaker current $I_{n\,max}$	SD	Guide frames for 4-pole non-automatic air circuit breakers Article No. www.siemens.com/product?Article No.	PU (UNIT, SET, M)	PS	PG
	A	d				
Front main circuit connection, single hole						
II	2000		**3WL9212-3EA□□-□□A1**	1	1 unit	1CA
Front main circuit connection, double hole						
II	2000		**3WL9212-3EB□□-□□A1**	1	1 unit	1CA
Horizontal main circuit connection						
II	2000		**3WL9212-3EC□□-□□A1**	1	1 unit	1CA
II	4000		**3WL9212-6EC□□-□□A1**	1	1 unit	1CA
Vertical main circuit connection						
II	2000		**3WL9212-3ED□□-□□A1**	1	1 unit	1CA
II	4000		**3WL9212-6ED□□-□□A1**	1	1 unit	1CA
Main circuit connection connecting flanges						
II	2000		**3WL9212-3EE□□-□□A1**	1	1 unit	1CA
II	4000		**3WL9212-6EE□□-□□A1**	1	1 unit	1CA

Options						Additional price 4-pole
Number of auxiliary supply connectors	None	**0**				**None**
	1 connector	**1**				✓
	2 connectors	**2**				✓
	3 connectors	**3**				✓
	4 connectors	**4**				✓
Note						
For required number of auxiliary supply connectors, see table see page 1/55.						
Type of auxiliary circuit connections	None[2]		**0**			**None**
	With screw connection (SIGUT, standard)		**1**			✓
	With screwless connection method (tension spring)		**2**			✓
Position signaling switches	None			**0**		**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO			**1**		✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO			**2**		✓
Shutters	None				**A**	**None**
	With shutter, 2-part, lockable				**B**	

	Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL9212-.....-..A1-Z** □ □ □	Additional price
Rated voltage 1000 V DC			
Size II		**A 0 5**	✓
Tinned version of the customer's connections on the guide frame[1] Only for guide frames with horizontal connection or flange connection			
Size II		**A 0 8**	✓
Notes			
• For guide frames for 3-pole DC non-automatic air circuit breakers, see previous page. • All other accessory parts must be ordered by specifying "**-Z**" and the appropriate order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/49.			

1) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

2) Can only be selected if the number of auxiliary supply connectors = 0.

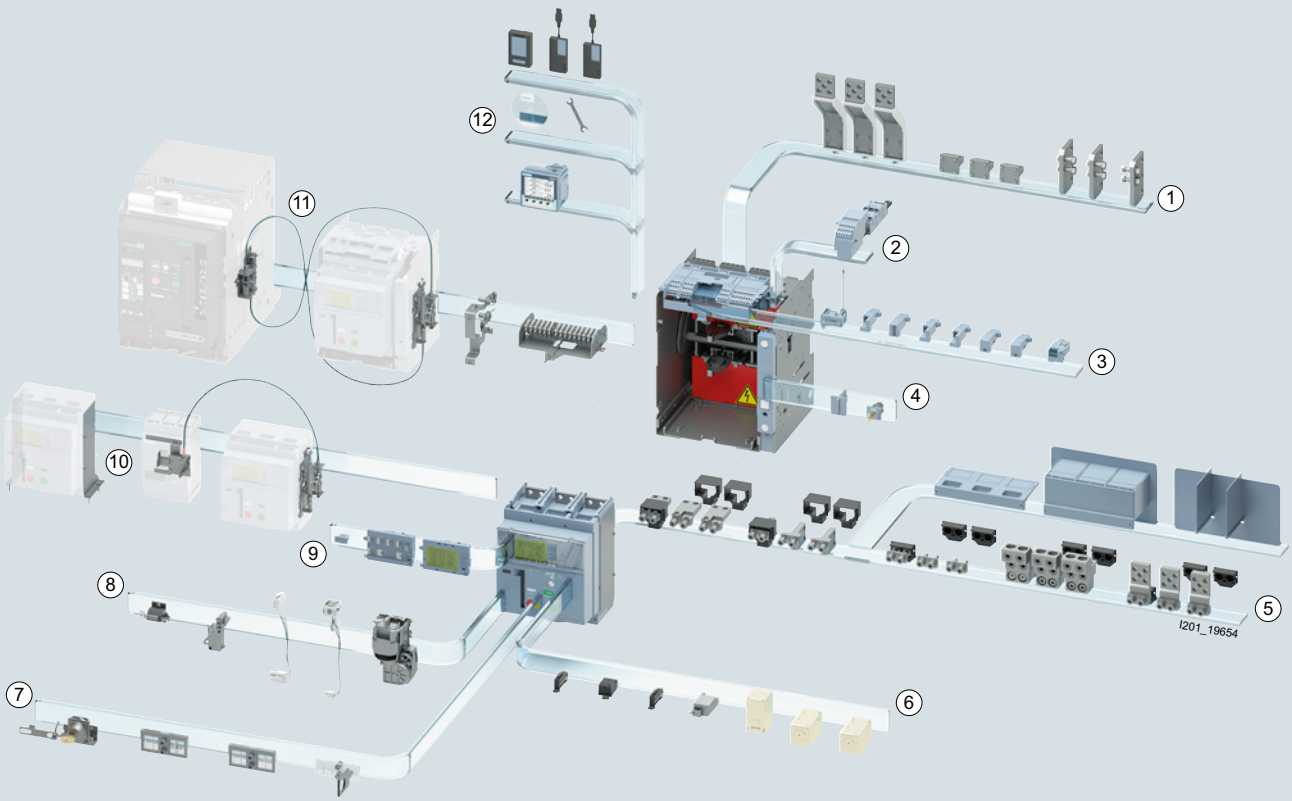
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Introduction

Overview

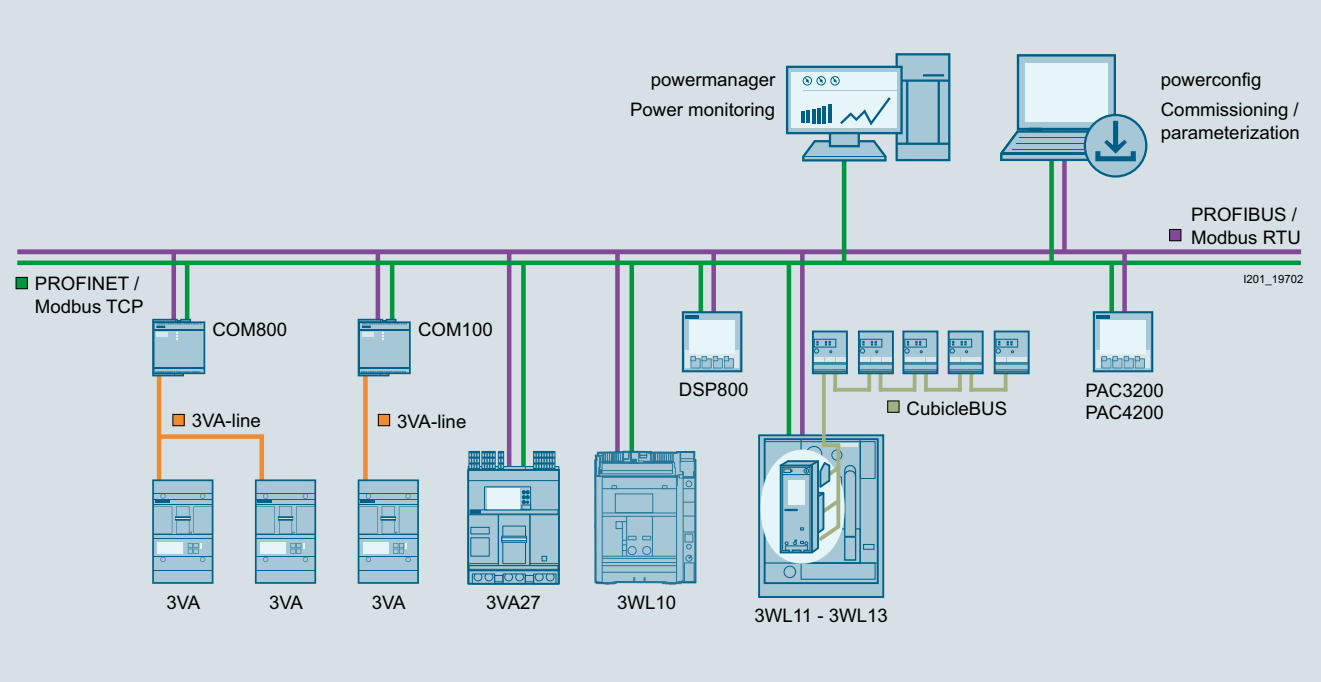


The 3WL10 air circuit breakers are an addition to the existing 3WL1 IEC portfolio with the very compact size 0 up to 1250 A. Like the larger sizes 1 - 3, the 3WL10 breakers are modular in design allowing most accessory components to be retrofitted or replaced easily by the end user.



1 Connection technology, guide frames
2 Position signaling switches for guide frames
3 Communication modules
4 Locks, guide frames
5 Connection technology, fixed mounting
6 Internal accessories
7 Locks, fixed mounting
8 Spring charging motor
9 Electronic Trip Units
10 Interlocking technology, fixed mounting
11 Interlocking technology, guide frames
12 External accessories

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Features

- Integrated communication concept together with the 3WL10, the 3VA molded case circuit breakers and the 7KM PAC measuring devices. The communication function is available from 16 A to 1600 A (ACB from 630 A – 1250 A) together with 3VA molded case circuit breakers.
- The 3WL10 air circuit breaker can be equipped with an optional communication function. The Electronic Trip Units ETU650 or ETU660 support the communication function.
- The communication modules support PROFIBUS-DP, PROFINET, Modbus TCP and Modbus RTU.
- The high level of modularity of the circuit breakers and accessories allows easy retrofitting of all communication components. Two different communication modules can be used at the same time.
- Simple integration into power monitoring systems with the Basic or Advanced modular metering functions according to IEC 61557-12 for Electronic Trip Units of the 6-series.
- Simple integration into plant monitoring systems for monitoring status / measured values / alarms and warnings / diagnostics / maintenance.
- Significant additional benefits for the switchboard due to the possibility of connecting external input and output modules to the 3WL10 air circuit breaker.
- Innovative software products for commissioning, testing, parameterization, operation, monitoring, documentation and diagnostics of circuit breakers, locally via display, test or gateway devices, or via the communication modules.
- Integration of the circuit breakers into the Totally Integrated Power (TIP) and Totally Integrated Automation (TIA) solutions.

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Benefits

Low space requirements

The 3WL10 air circuit breakers are extremely compact. 3-pole and 4-pole devices of size 0 fit into a 400 mm wide switchboard panel. Two 3-pole 3WL10 circuit breakers can also be installed side by side in a 600 mm wide switchboard panel. There is no derating of the circuit breaker according to IEC 60947-2 up to 70 °C.

Reduced complexity

A revised system for article numbers makes it easier to find a customized solution without creating unintentional extra work when individual components need to be reordered. Auxiliary and signaling switches are automatically assigned to the device functions without an additional charge. A new product configurator guides the user through the selection process step by step.

Modular design

Components such as auxiliary releases, spring charging motors, Electronic Trip Units, external current sensors, auxiliary circuit signaling switches, automatic reset devices, and interlocks can all be exchanged or retrofitted at a later stage, thus allowing the circuit breaker to be adapted to new, changing requirements.

Flexible connection and mounting options

Apart from the customary method of connecting an ACB from the rear side, the 3WL10 can also be mounted in the control cabinet on a mounting plate and connected in a fixed-mounted version like an MCCB from the front side using busbars or cables.

Retrofittable modules for Electronic Trip Units

Upgrading the Electronic Trip Unit is possible at any time. This is done simply by replacing the ETU. For example, the RC functionality for residual current protection can be supplemented by replacing the rating plug in the ETU660 when the MF Advanced metering function is used.

Rating plugs, the metering function, and communication modules for the Electronic Trip Units are available for fast and easy retrofitting and adaptation to changing requirements.

Communication/metering functions

The use of modern communication-capable circuit breakers opens up completely new possibilities in terms of commissioning, parameterization, diagnostics, maintenance and operation. This allows many different ways of reducing costs and improving productivity in industrial plants, buildings and infrastructure projects to be achieved:

- Simultaneous use of up to two different bus systems, such as PROFIBUS, PROFINET, Modbus TCP, or Modbus RTU.
- Fast and secure parameterization via the communication path, via test devices as a connection to the mobile terminal, or on the display itself.
- Timely information and response can prevent plant stoppages
- Effective diagnostics management
- Measured values are the basis for efficient load management for drawing up power demand profiles and for allocating energy to cost centers
- Preventive maintenance reduces the risk of expensive plant downtimes.
- Metering function with a very wide range of measured values, such as current, voltage, energy, power etc.
- Readout of the measuring interval memory, in order to identify trends in the plant.
- Readout of the high-resolution datalog buffer, in order to perform network analyses of current and voltage characteristics.

Integrated energy management combined with a direct Ethernet communications interface makes it possible to standardize the protection and measurement architecture of a switchboard in the compact 3WL10 air circuit breaker. This offers benefits with respect to space-saving and low-effort design, as well as with respect to the configuration of power distribution in industry and infrastructure.

New standards in CAx and engineering support

The new online tools and CAx interfaces in the product configurator offer comprehensive support with the configuration and integration of the device in the application. This variety of detailed CAx data is unique on the air circuit breaker market and lays the foundation for the "digital twin".

Extended protection functions of the Electronic Trip Unit

Extended and directed protection functions support a variety of applications. They provide answers to the challenges of distributed power supply systems in the context of the energy turnaround. The 3WL10 provides customized solutions in the form of tie breakers for UPS systems or in the network system, which requires direction-dependent protection settings and a selective response.

Application

- As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations.
- For switching and protecting motors, capacitors, generators, transformers, busbars and cables.

When connected to an electronic I&C system, the 3WL10 air circuit breakers offer a wide range of options for monitoring network events.

Air circuit breakers belong to the SENTRON product family of protection, switching, measuring and monitoring devices and can be used in applications between 16 A and 6300 A.

The AC version devices are available as circuit breakers and non-automatic air circuit breakers according to IEC 60947-3 and IEC 60947-2 Annex L (CBI-Y).

Standards

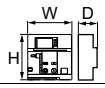
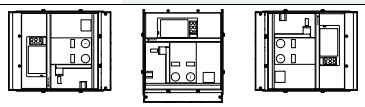
The 3WL10 air circuit breakers comply with the following standards:

- IEC 60947-2 for circuit breakers
- IEC 60947-3 for non-automatic air circuit breakers
- IEC 60947-3 and IEC 60947-2 Annex L (CBI-Y) for non-automatic circuit breakers
- IEC 60947-2 Annex F/CISPR 11/22 Class B
- Climate-proof according to IEC 60068-2-30

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Technical specifications

Breaking capacity				B (B)	N (N)	S (S)
Number of poles				3-pole, 4-pole		
Rated operational current	I_n	40 °C	A	630, 800, 1000, 1250		
Rated operational voltage	U_e	AC (50/60 Hz)	V	Up to 500	690	690
Rated insulation voltage	U_i	AC (50/60 Hz)	V	1000		
Rated impulse withstand voltage	U_{imp}		kV	12		
Current carrying capacity of the neutral conductor for 4-pole circuit breakers			% I_u	100		
Rated ultimate short-circuit breaking capacity AC	I_{cu}	440 V AC	kA	42	55	66
	I_{cu}	500 V AC	kA	42	50	50
	I_{cu}	690 V AC	kA	--	42	50
Rated service short-circuit breaking capacity AC	I_{cs}	440 V AC	kA	42	50	50
	I_{cs}	500 V AC	kA	42	50	50
	I_{cs}	690 V AC	kA	--	42	50
Rated short-circuit making capacity AC	I_{cm}	440 V AC	kA	88	121	145
	I_{cm}	500 V AC	kA	88	105	105
	I_{cm}	690 V AC	kA	--	88	105
Rated short-time withstand current	I_{cw}	1 s	kA	42	42	50
	I_{cw}	3 s	kA	24	24	36
Break time on opening		$I < I_{cw}$	ms	40	40	40
		$I > I_{cw}$	ms	25	25	25
IT network capability according to ICE60947-2 Appendix H up to and including max. rated operational voltage			V	500	690	690
Rated conditional short-circuit current of the non-automatic air circuit breakers	I_{cc}		kA	--	42	50
Dimensions (3-pole) 	H	Fixed / Withdrawable	mm	268* / 363.5		
	D	Fixed / Withdrawable	mm	183 / 271		
	W	Fixed / Withdrawable	mm	214 / 278		
Dimensions (4-pole)	H	Fixed / Withdrawable	mm	268* / 363.5		
	D	Fixed / Withdrawable	mm	183 / 271		
* Dimension without auxiliary conductor terminals or COM modules; otherwise H = 291 mm	W	Fixed / Withdrawable	mm	284 / 348		
Weight (with ETU and current sensor, 3-pole)		Fixed / Withdrawable	kg	14 / 38		
Weight (with ETU and current sensor, 4-pole)		Fixed / Withdrawable	kg	16 / 43		
Minimum connection cross-sections, bare copper bars • Recommended for optimized temperature derating • Fixed-mounted and withdrawable versions • Refer to the manual for maximum possible connection cross-sections					Horizontal or front connection	Vertical connection
	I_u	630	mm	2 x 40 x 5	Yes	Yes
	I_u	800	mm	2 x 50 x 5	Yes	Yes
	I_u	1000	mm	2 x 50 x 10	Yes	--
				2 x 50 x 8	--	Yes
	I_u	1250	mm	2 x 50 x 10	Yes	--
				2 x 50 x 8	--	Yes
Mounting position		Fixed				
		Withdrawable				
Switching frequency		Mechanical	1/h	60		
		Electrical	1/h	30		
Endurance		Mechanical with maintenance	Oper. cycles	20000		
		Electrical ≤ 440 V AC	Oper. cycles	8000		
		Electrical ≤ 690 V AC	Oper. cycles	8000 at 1000 A rated current, 6500 at 1250 A rated current		
Power loss		Fixed	W	630 A = 31 W		
			W	800 A = 50 W		
			W	1000 A = 78 W		
			W	1250 A = 122 W		
		Withdrawable	W	630 A = 62 W		
			W	800 A = 100 W		
			W	1000 A = 156 W		
			W	1250 A = 244 W		

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Undervoltage release (UVR)

The undervoltage release trips the circuit breaker if the rated voltage U_n fails or drops to between 70% and 35% of its normal value. The undervoltage release can be used for:

- Safe remote tripping
- Interlocking during closure
- Checking the voltage in the primary and secondary circuits

Note

The circuit breaker can be reclosed at a coil supply voltage of 85% to 110% U_n.

Technical specifications

		AC	DC
Power supply (U_n)	24 V	✓	✓
	30 V	✓	✓
	48 V	✓	✓
	60 V	✓	✓
	110 ... 120 V	✓	✓
	220 ... 240 V	✓	✓
	240 ... 250 V	✓	✓
Operating limits		ST: 70 ... 110% U_n CC: 85 ... 110% U_n	
Switch-on power (P_s)		300 VA	300 W
Continuous power (P_c)		3.5 VA	3.5 W
Break time YU		30 ms	

Time-delay device (adjustable) for UVR

The undervoltage release (UVR) can be coupled with an external electronic time-delay device which permits a delayed response to the release. The response time can be adjusted in steps of between 0.5 s and 3 s.

This prevents the circuit breaker / non-automatic air circuit breaker from being switched off by the undervoltage release if the control voltage of the undervoltage release is subject to short breaks or interruptions.

Note

Undervoltage releases and time-delay devices must be designed for the same control voltage.

The time-delay device is installed outside the circuit breaker on a standard mounting rail.

Technical specifications

Configuration		AC	DC
Power supply (U_n)	24 V	✓	✓
	30 V	✓	✓
	48 V	✓	✓
	60 V	✓	✓
	110 ... 127 V	✓	✓
	220 ... 250 V	✓	✓
Adjustable break time (UVR + delay)		0.5 / 1 / 1.5 / 2 / 3 s	

Closing coil (CC) / shunt release (ST)

Using the auxiliary trip units / closing coils, the circuit breaker can be tripped by remote access.

Closing (breaker position CLOSED) is only possible if the closing springs are charged and the circuit breaker is ready for closing. Opening (breaker position OPEN) is always possible.

The coils work with a current pulse ≥ 100 ms or with constant power input.

Technical specifications

		AC	DC
Power supply (U_n)	24 V	✓	✓
	30 V	✓	✓
	48 V	✓	✓
	60 V	✓	✓
	110 ... 120 V	✓	✓
	220 ... 240 V	✓	✓
	240 ... 250 V	✓	✓
	380 ... 400 V	✓	✓
	415 ... 440 V	✓	✓
Operating limits		ST: 70 ... 110% U_n CC: 85 ... 110% U_n	
Switch-on power		300 VA	300 W
Continuous power		3.5 VA	3.5 W
Break time ST		20 ms	
Make time CC		50 ms	

Remote reset magnet (RR)

With the remote reset magnet (RR), the mechanical tripped signal can be reset remotely.

Technical specifications

		AC	DC
Power supply (U_n)	24 V	✓	✓
	110 V	✓	✓
	250 V	✓	✓
Operating limits		90 ... 110% U_n	

If the remote reset (RR) magnet is DC-operated, the activation time must be kept below a pulse length of 50 ms. The RR cannot be activated permanently.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Spring charging motor (MO)

The spring charging motor (MO) automatically charges the closing springs if they are discharged and if voltage is applied to the motor.

Technical specifications

		AC	DC
Power supply (U_n)	24 V	✓	✓
	30 V	✓	✓
	48 V	✓	✓
	60 V	✓	✓
	100 ... 130 V	✓	✓
	220 ... 250 V	✓	✓
Operating limits (acc. to IEC 60947-2)		85 ... 110% U_n	
Switch-on power		300 VA	300 W
Continuous power		100 VA	100 W
Make time (inrush time until start of charging)		200 ms	
Charging time		8 s	

Spring charged signaling switch (S21)

The spring charged signaling switch (S21) signals by means of a remote display the charging status of the spring assembly of the circuit breaker.

The contact is available in the standard version or in a version for digital signals with electronics capability. The signaling contact can only be operated in conjunction with the spring charging motor and is always included with this.

Technical specifications

			Standard contact	Contact for digital signal
Type			Changeover contact	Changeover contact
Smallest load			100 mA at 24 V	1 mA at 5 V
Breaking capacity	DC	24 V	--	0.1 A
		125 V	0.3 A at 0 ms	--
		250 V	0.15 A at 0 ms	--
	AC	250 V	5 A at p.f. 1	--
			5 A at p.f. 0.7	--
			5 A at p.f. 0.3	--
		400 V	3 A at p.f. 1	--
			2 A at p.f. 0.7	--
			1 A at p.f. 0.3	--

Position signaling switch PSS for guide frame

The position signaling switches are used in the withdrawable breaker and signal whether the circuit breaker is in the "CONNECT", "TEST" or "DISCONNECT" position.
Two changeover contacts are available for displaying each position. The PSS contacts are always included in the guide frame.

Technical specifications

Configuration	Position auxiliary contacts - PSS 6 auxiliary contacts
Standard contact	✓
Contact for digital signal	✓

			Standard contact	Contact for digital signal
Type			Changeover contact	Changeover contact
Smallest load			100 mA at 24 V	1 mA at 5 V
Breaking capacity	DC	24 V	--	0.1 A
		125 V	0.3 A at 0 ms	--
		250 V	0.15 A at 0 ms	--
	AC	250 V	5 A at p.f. 1	--
			5 A at p.f. 0.7	--
			5 A at p.f. 0.3	--
		400 V	3 A at p.f. 1	--
			2 A at p.f. 0.7	--
			1 A at p.f. 0.3	--

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Ready-to-close signaling switch (RTC)

The signaling contact for ready-to-close (RTC) is used to query whether the circuit breaker is ready for closing.

The standard version of this changeover contact is included in the scope of supply of all circuit breakers and non-automatic circuit breakers.

The following conditions must be met before the circuit breaker is ready to close:

- Circuit breaker in the OPEN position
- Springs charged
- Switch-off command or interlocking with switch-off command is not pending
- Undervoltage release charged
- Mechanical tripped signal reset

Technical specifications

			Standard contact	Contact for digital signal
Type			Changeover contact	
Smallest load			100 mA at 24 V	1 mA at 5 V
Breaking capacity	DC	24 V	--	0.1 A
		250 V	0.5 A at 0 ms	--
			0.2 A at 10 ms	--
	AC	250 V	3 A at p.f. 0.7	--

Auxiliary switch AUX

The auxiliary contacts signal the current CLOSED or OPEN position of the circuit breaker.

By default, four standard contacts are supplied with the circuit breakers and non-automatic circuit breakers. A maximum of 19 CLOSED / OPEN auxiliary contacts can be made available. Of these, four are installed internally in the switch and 15 externally.

Technical specifications

Configuration	AUX 4 CO 4 auxiliary contacts	AUX 15 CO 15 additional external auxiliary contacts
Standard contact	✓	✓
Contact for digital signal	✓	✓
Mixed	✓	--

			Standard contact	Contact for digital signal
Type			Changeover contact	Changeover contact
Smallest load			100 mA at 24 V	1 mA at 5 V
Breaking capacity	DC	24 V	--	0.1 A
		125 V	0.3 A at 10 ms	--
		250 V	0.15 A at 10 ms	--
	AC	250 V	5 A at p.f. 1	--
			5 A at p.f. 0.7	--
			5 A at p.f. 0.3	--
		400 V	3 A at p.f. 1	--
			2 A at p.f. 0.7	--
			1 A at p.f. 0.3	--

Tripped signaling switch (S24)

The contact signals when the circuit breaker has been tripped by the Electronic Trip Unit ETU.

The standard version of this changeover contact is supplied by default with every circuit breaker. The tripped signaling switch (S24) is also optionally available in a version for digital signals.

Technical specifications

			Standard contact	Contact for digital signal
Type			Changeover contact	
Smallest load			100 mA at 24 V	1 mA at 5 V
Breaking capacity	DC	24 V	--	0.1 A
		250 V	0.5 A at 0 ms	--
			0.2 A at 10 ms	--
	AC	250 V	3 A at p.f. 0.7	--

Breaker Connect module, external power supply

Via the Breaker Connect module, the Electronic Trip Units and accessory modules (communications and digital I/O module IOM040) on the terminal strip can be fed with an auxiliary AC or DC supply available in the switchboard. The external power supply module can be installed at any time on the terminal strip of the circuit breaker and permits installation of plug-in modules for communication and digital inputs/outputs.

As an additional function, it conducts the internal CB bus outside and thus permits the connection of the CB bus modules for communication I/O functionalities: IOM040 and the external IOM300 (which can also be connected directly to the equivalent contact without a Breaker Connect module on CB1 / CB2)

Depending on the supply voltage used, the following versions are available:

- External power supply 110 to 240 V AC/DC
- External power supply 24 to 48 V DC

The 24 V version of the Breaker Connect module is automatically configured in the breaker if the device is selected with a 6-series ETU and a communications interface. It is possible to change to the 240 V version by means of a Z option.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Actuator module (COM ACT)

The actuator module (COM ACT) is a communication link for the remote operation of auxiliary solenoids (CC/ST). With the actuator module, the 3WL10 air circuit breaker can be opened and closed by remote access parallel to access via the auxiliary conductor terminal system.

The module is automatically configured in the breaker if the device is selected with a 6-series ETU and a communication link.

Position signaling switch communication (COM PSS)

The position signaling switch COM PSS provides the signal via the communication link indicating whether the circuit breaker in the guide frame is inserted or removed.

Unlike the position signaling switch PSS, whose signals are available at the auxiliary conductor terminal system (see section on Accessories for auxiliary and signaling switches, page 1/127), the position switch COM PSS only signals two different states:

- INSERTED breaker position (circuit breaker in the CONNECT position)
- ISOLATED breaker position (circuit breaker in the TEST or DISCONNECT position)

The COM PSS is automatically configured in the breaker frame if a withdrawable version of the device is selected with a 6-series ETU and a communications interface.

Ready-to-close signaling switch for communication (COM RTC)

The ready-to-close signaling switch COM RTC provides the same information as the ready-to-close signaling switch RTC (see section on Accessories for auxiliary and signaling switches, page 1/127), i.e. it is used to query whether the circuit breaker is ready to close.

Unlike the RTC signaling switch, whose signals are available at the auxiliary contact system, the signals of the ready-to-close signaling switch COM RTC are forwarded via the communication link.

The COM RTC is automatically configured in the breaker if the device is selected with a 6-series ETU and a communications interface.

Internal digital I/O module IOM040

The digital I/O modules IOM040 provide two input and two output contacts for control and remote signaling of alarms and tripping of the circuit breaker. They can be used for the ETUs with display (6-series). Via the display of the ETU 6-series, defaults of the inputs and outputs can be selected and configured via the powerconfig software.

These modules are suitable for all ETUs of the 6-series.

External digital I/O module IOM300

The digital I/O modules IOM300 provide eleven input and ten output contacts for control and remote signaling of alarms and tripping of the circuit breaker. They can be used for the ETUs with display (6-series). Via the display of the ETU6xx, defaults of the inputs and outputs can be selected and configured via the powerconfig software. The IOM300 is intended for standard rail mounting.

The I/O module IOM300 can be fed from either a DC or AC supply and can be connected via the internal bus to the ETUs of the 3-series and 6-series. This does not necessarily require a Breaker Connect module, but still offers the option of connection.

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Function overview of the electronic trip system

Protection functions		ETU320	ETU350	ETU360	ETU650	ETU660
		LI	LSI	LSIG	LSI	LSIG
LT	**LT: Overload protection I_r** Protection function can be enabled/disabled	✓ --	✓ --	✓ --	✓ ✓ L=OFF rating plug	✓ ✓ L=OFF rating plug
	Setting range of operating value $I_r = I_n \times$ ...	0.4; 0.5: 0.6; 0.7; 0.75; 0.8; 0.85; 0.9; 0.95; 1; default 0.4	0.4; 0.5: 0.6; 0.7; 0.75; 0.8; 0.85; 0.9; 0.95; 1; default 0.4	0.4; 0.5: 0.6; 0.7; 0.75; 0.8; 0.85; 0.9; 0.95; 1; default 0.4	0.4 - 1; default 1 (in steps of 0.001)	0.4 - 1; default 1 (in steps of 0.001)
	Setting range of delay time t_r at I^2t (reference point 6 x I_n)	0.75; 1; 2; 5; 8; 10; 14; 17; 21; 25 s; default 0.75 s	0.75; 1; 2; 5; 8; 10; 14; 17; 21; 25 s; default 0.75 s	0.75; 1; 2; 5; 8; 10; 14; 17; 21; 25 s; default 0.75 s	0.75 - 36 s; (in steps of 0.25 s); default 36 s	0.75 - 36 s; (in steps of 0.25 s); default 36 s
	Overload protection mode switchable to characteristic IEC 60255-151 $t_{trip} = \frac{t_r \times b}{\left(\frac{I_{load}}{I_r}\right)^{\alpha} - 1}$	--	--	--	I^4t: α=4, b=1296 standard inverse SI: α=0.02, b=0.0364 very inverse VI: α=1, b=5 extremely inverse EI: α=2, b=35.2 Default I^2t	I^4t: α=4, b=1296 standard inverse SI: α=0.02, b=0.0364 very inverse VI: α=1, b=5 extremely inverse EI: α=2, b=35.2 Default I^2t
	Setting range of delay time t_r for characteristic IEC 60255-151 (reference point 6 x I_n)	--	--	--	0.75 - 5 s; (in steps of 0.25 s); default 5 s	0.75 - 5 s; (in steps of 0.25 s); default 5 s
	Thermal memory can be enabled/disabled	--	--	--	✓	✓
	Overload pre-alarm	50% - 100% x I_r; default 90%; (in steps of 1%)	50% - 100% x I_r; default 90%; (in steps of 1%)	50% - 100% x I_r; default 90%; (in steps of 1%)	50% - 100% x I_r; default 90%; (in steps of 1%)	50% - 100% x I_r; default 90%; (in steps of 1%)
ST	**ST: Short-time delayed short-circuit protection I_{sd}**	--	✓	✓	✓	✓
	Protection function can be enabled/disabled	--	✓	✓	✓	✓
	Characteristic	--	I^2t / t=const.	I^2t / t=const.	I^2t / t=const.	I^2t / t=const.
	Switchable short-time delayed short-circuit protection (I^2t-dependent function to fixed delay)	--	✓	✓	✓	✓
	Setting range of operating value $I_{sd} = I_n$ x ...	--	1; 1.5; 2; 2.5; 3; 4; 6; 8; 10; default OFF	1; 1.5; 2; 2.5; 3; 4; 6; 8; 10; default OFF	0.6 - 10; default OFF; (in steps of 0.1)	0.6 - 10; default 1.5 OFF; (in steps of 0.1)
	Switchable short-time delayed short-circuit protection (I^2t-dependent function)	--	✓	✓	✓	✓
	Setting range of delay time t_{sd} (constant delay $t = k$)	--	0.08; 0.15; 0.22; 0.3; 0.4	0.08; 0.15; 0.22; 0.3; 0.4	0.05 - 0.4 s; default 0.05; (in steps of 0.01)	0.05 - 0.4 s; default 0.05; (in steps of 0.01)
	Setting range of delay time t_{sd} at I^2t (reference point 10 x I_n)	--	0.1; 0.2; 0.3; 0.4; 0.5; (I^2t-dependent); default 0.1	0.1; 0.2; 0.3; 0.4; 0.5; (I^2t-dependent); default 0.1	0.05 - 0.5 s (I^2t-dependent) (in steps of 0.01)	0.05 - 0.5 s (I^2t-dependent) (in steps of 0.01)
	Tripping can be disabled	--	--	--	✓	✓
	Switchover to alternative operating values possible with short-time-delayed short-circuit current during the switch-on phase (inrush adaptation) for tripping characteristic $t = k$ (fixed)	--	--	--	✓ Default OFF	✓ Default OFF
	Setting range of the switch-on phase (inrush adaptation)	--	--	--	0.10 - 30 s; default 0.1; (in steps of 0.01)	0.10 - 30 s; default 0.1; (in steps of 0.01)
	Setting range $I_{sd} = I_n$ x ... during the switch-on phase (inrush adaptation)	--	--	--	0.6 - 10; default 10; (in steps of 0.1)	0.6 - 10; default 10; (in steps of 0.1)
	ZSI function test	--	--	--	--	--
INST	**INST: Instantaneous short-circuit protection I_i**	✓	✓	✓	✓	✓
	Protection function can be enabled/disabled	✓	✓	✓	✓	✓
	Setting range $I_i = I_n \times$ ...	OFF; 1.5; 2; 3; 4; 6; 8; 10; 12; 15; default 1.5	OFF; 1.5; 2; 3; 4; 6; 8; 10; 12; 15; default 1.5	OFF; 1.5; 2; 3; 4; 6; 8; 10; 12; 15; default 1.5	1.5 - 15; default 2; (in steps of 0.1)	1.5 - 15; default 2; (in steps of 0.1)
	Switchover to alternative operating values with instantaneous short-circuit current during the switch-on phase (inrush adaptation) for tripping characteristic $t = k$ (fixed) possible	--	--	--	✓ Default OFF	✓ Default OFF
	Setting range of the switch-on phase (inrush adaptation)	--	--	--	0.10 - 30 s; default 0.1; (in steps of 0.01)	0.10 - 30 s; default 0.1; (in steps of 0.01)
	Setting range $I_i = I_n$ x ... during the switch-on phase (inrush adaptation)	--	--	--	1.5 - 15; default 1.5; (in steps of 0.1)	1.5 - 15; default 1.5; (in steps of 0.1)
N	**Neutral protection**	✓	✓	✓	✓	✓
	Neutral protection can be enabled/disabled	✓	✓	✓	✓	✓
	Current setting value $I_N = I_n$ x ...	50%; 100%; 200%; default 50%	50%; 100%; 200%; default 50%	50%; 100%; 200%; default 50%	50%; 100%; 150%; 200%	50%; 100%; 150%; 200%

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Protection functions		ETU320 LI	ETU350 LSI	ETU360 LSIG	ETU650 LSI	ETU660 LSIG
G	**GF: Ground-fault protection I_g**	--	--	✓	--	✓
	Protection function can be enabled/disabled	--	--	✓	--	✓
	Ground-fault protection characteristic	--	--	t =const. / I^2t ; default I^2t	--	t = const. / I^2t ; default const.
	Setting range of operating value $I_g = I_n$ x …	--	--	0.1; 0.2; 0.3; 0.4; 0.5; 0.6; 0.7; 0.8; 1; default 0.1	--	0.1 - 1; default 0.1; (in steps of 0.001)
	Setting range of delay time t_g (constant delay $t = k$)	--	--	0.1; 0.2; 0.4; 0.6; 0.8 s; (fixed delay)	--	0.1 s - 1 s; default 0.1 s; (in steps of 0.05 s)
	Setting range of delay time t_g at I^2t (reference point 2 x I_n)	--	--	0.1; 0.2; 0.4; 0.6; 0.8 s (I^2t-dependent); default 0.1 (I^2t)	--	0.1 s - 1 s; (in steps of 0.05 s)
	Ground-fault protection pre-alarm	--	--	--	--	50% - 90% x I_r; default 90%; (in steps of 1%)
	Tripping can be disabled	--	--	--	--	✓
	Switchover to the alternative of the external, directly measured ground-fault protection	--	--	--	--	✓ Default OFF
	Switchover to alternative operating values with ground-fault current during the switch-on phase (inrush adaptation) for tripping characteristic $t = k$ (fixed) possible	--	--	--	--	✓ Default OFF
	Setting range of the switch-on phase (inrush adaptation)	--	--	--	--	0.10 - 30 s; default 0.1; (in steps of 0.01)
	Extended parameter range with external auxiliary power supply of the ETU	--	--	I_g full range, otherwise I_g limited to min. 0.2 I_n or 0.25 I_n (for I_n = 400 A)		I_g full range, otherwise I_g limited to min. 0.2 I_n or 0.25 I_n (for I_n = 400 A) - t_g instantaneous possible
	ZSI G function test	--	--	--	--	--

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Function overview of the electronic trip system

Protection functions		ETU320 LI	ETU350 LSI	ETU360 LSIG	ETU650 LSI	ETU660 LSIG
G direct	**GF direct: Ground-fault protection direct measurement**	--	--	--	--	✓ Default: Not installed;
	Protection function can be selected R_c - Residual current protection (with summation current transformer) G_{ret} - Ground-fault return (transformer in star point)	--	--	--	--	Ground fault return transformer or RC transformer required.
	R_c - Residual current protection (with summation current transformer)	--	--	--	--	✓ Alternative to GF and GRET; default OFF; can be activated with rating plug R_c & metering function Advanced
	Setting range of residual current operating value $I_{\Delta n}$ [A]	--	--	--	--	$I_{\Delta n}$=3; 5; 7; 10; 20; 30 A; Default OFF; can be activated with rating plug R_c & metering function Advanced
	Setting range of delay time $t_{\Delta n}$	--	--	--	--	$t\Delta_n$ = 0.06 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.8 s
	G_{ret} - Ground-fault return (transformer in star point)	--	--	--	--	✓ Alternative to GF and R_c, external power supply required.
	Design of G_{ret} transformer (ground fault return CT - I_{CT_rating})	--	--	--	--	100 A; 250 A; default 100 A
	Setting range of ground-fault return operating value I_{g_ret} = I_{CT_rating} x …	--	--	--	--	0.1 - 1 x I_{CT_rating}; default 0.1; (in steps of 0.001)
	Setting range of delay time t_{g_ret} (fixed) $t = k$	--	--	--	--	0.1 s - 1 s; default 0.1 s; (in steps of 0.05 s)
	Setting range of delay time t_{g_ret} at I^2t (reference point 4 x I_n)	--	--	--	--	0.1 s - 1 s; (in steps of 0.05 s)
	Ground-fault return pre-alarm	--	--	--	--	50% - 90% x I_r; default 90%; (in steps of 1%)
	Switchover to alternative operating values with ground-fault current during the switch-on phase (inrush adaptation) for tripping characteristic $t = k$ (fixed) possible	--	--	--	--	✓ Default OFF
	Setting range of the switch-on phase (inrush adaptation)	--	--	--	--	0.10 - 30 s; default 0.1; (in steps of 0.01)
	Setting range I_g = I_n x … during the switch-on phase (inrush adaptation)	--	--	--	--	0.1 - 1; default 1; (in steps of 0.01)
DAS	**DAS protection - Arc fault mitigation mode**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range of operating value I_{i_arc}= I_n x …	--	--	--	1.5 - 15; default 1.5; (in steps of 0.1)	1.5 - 15; default 1.5; (in steps of 0.1)
I_{nba}	**Phase current unbalance I_{nba}**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range I_{nba} phase current unbalance	--	--	--	2% - 90%; default 50%; (in steps of 1%)	2% - 90%; default 50%; (in steps of 1%)
	Setting range for the delay time t_{nba} for phase current unbalance				0.50 - 60 s; default 10 s; (in steps of 0.5 s)	0.50 - 60 s; default 10 s; (in steps of 0.5 s)
	Enabling/disabling of tripping on phase current unbalance	--	--	--	✓	✓

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Enhanced protection functions - only available with metering function (MF Advanced)		ETU320	ETU350	ETU360	ETU650	ETU660
		LI	LSI	LSIG	LSI	LSIG
DST	**Directed short-circuit protection DST**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Enabling/disabling on directed (directional) short-circuit protection	--	--	--	✓	✓
	Setting range $I_{dsd} = I_n$ x … in forward direction FW (top -> bottom)	--	--	--	0.6 - 10; default 2; (in steps of 0.1)	0.6 - 10; default 2; (in steps of 0.1)
	Setting range $I_{dsd} = v_n$ x … in backward direction BW (bottom -> top)	--	--	--	0.6 - 10; default 2; (in steps of 0.1)	0.6 - 10; default 2; (in steps of 0.1)
	Switchable short-time delayed short-circuit protection (I^2t-dependent function)	--	--	--	✓	✓
	Setting range of delay time t_{dsd} FW in forward direction	--	--	--	0.1 - 0.5 s; default 0.2; (in steps of 0.01)	0.1 - 0.5 s; default 0.2; (in steps of 0.01)
	Setting range of delay time t_{dsd} BW in backward direction	--	--	--	0.1 - 0.5 s; default 0.2; (in steps of 0.01)	0.1 - 0.5 s; default 0.2 s; (in steps of 0.01 s)
	Switchover to alternative operating values possible with directed short-circuit current during the switch-on phase (inrush adaptation) for tripping characteristic $t = k$ (fixed)	--	--	--	✓	✓
	Setting range of the switch-on phase	--	--	--	0.10 - 30 s; default 0.1; (in steps of 0.01)	0.10 - 30 s; default 0.1; (in steps of 0.01)
	Setting range $I_{dsd} = I_n$ x … during the switch-on phase in the forward direction FW	--	--	--	0.6 - 10; default 2; (in steps of 0.1)	0.6 - 10; default 10; (in steps of 0.1)
	Setting range $I_{dsd} = I_n$ x … during the switch-on phase in the backward direction BW	--	--	--	0.6 - 10; default 2; (in steps of 0.1)	0.6 - 10; default 10; (in steps of 0.1)
	Settings DST phase difference angle	--	--	--	3.6°; 7.2°; 10.8°; 14.5°; 18.2°; 22.0°; 25.9°; 30°; 34.2°; 38.7°; 43.4°; 48.6°; 54.3°; 61.0°; 69.6°; default 3.6°	
	Definition of direction of power flow	--	--	--	bottom -> top; top: -> bottom; default: top -> bottom	
U_{nba}	**Phase voltage unbalance U_{nba}**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range U_{nba} phase voltage unbalance	--	--	--	2% - 90%; default 50%; (in steps of 1%)	2% - 90%; default 50%; (in steps of 1%)
	Setting range of the delay time $t_{nba(U)}$ for phase voltage unbalance	--	--	--	0.50 - 60 s; default 10 s; (in steps of 0.5 s)	0.50 - 60 s; default 10 s; (in steps of 0.5 s)
	Enabling/disabling of tripping on phase voltage unbalance	--	--	--	✓	✓
U_u	**Undervoltage protection U_u**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range of undervoltage protection $U_u = U_n$ x ...	--	--	--	0.5 - 0.98; default 0.9; (in steps of 0.01)	0.5 - 0.98; default 0.9; (in steps of 0.01)
	Setting range of the delay time for undervoltage protection $t_{u(U)}$	--	--	--	0.05 - 120 s; default 10; (in steps of 0.01 s)	0.05 - 120 s; default 10; (in steps of 0.01 s)
	Enabling/disabling of tripping on undervoltage protection	--	--	--	✓	✓
U_o	**Overvoltage protection U_o**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range of overvoltage protection $U_o = U_n$ x ...	--	--	--	1.02 - 1.5; default 1.05; (in steps of 0.01)	1.02 - 1.5; default 1.05; (in steps of 0.01)
	Setting range of the delay time for overvoltage protection $t_{o(U)}$	--	--	--	0.05 - 120 s; default 10 s; (in steps of 0.01 s)	0.05 - 120 s; default 10 s; (in steps of 0.01 s)
	Enabling/disabling of tripping on overvoltage protection	--	--	--	✓	✓
f_u	**Underfrequency protection f_u**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range for underfrequency protection $f_u = f_n$ x …	--	--	--	0.9 - 0.999; default 0.9; (in steps of 0.001)	0.9 - 0.999; default 0.9; (in steps of 0.001)
	Setting range of the delay time for underfrequency $t_{u(f)}$	--	--	--	3 - 300 s; default 3 s; (in steps of 0.01 s)	3 - 300 s; default 3 s; (in steps of 0.01 s)
	Enabling/disabling of tripping on underfrequency protection	--	--	--	✓	✓
f_o	**Overfrequency protection f_o**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range for overfrequency protection $f_o = f_n$ x …	--	--	--	1.001 - 1.1; default 1.1; (in steps of 0.001)	1.001 - 1.1; default 1.1; (in steps of 0.001)
	Setting range of the delay time for overfrequency $t_{o(f)}$	--	--	--	3 - 300 s; default 3 s; (in steps of 0.01 s)	3 - 300 s; default 3 s; (in steps of 0.01 s)
	Enabling/disabling of tripping on overfrequency protection	--	--	--	✓	✓

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Function overview of the electronic trip system

	Enhanced protection functions - only available with metering function (MF Advanced)	ETU320 LI	ETU350 LSI	ETU360 LSIG	ETU650 LSI	ETU660 LSIG
RP	**Reverse power protection: Reverse Power RP**	--	--	--	✓	✓
	Protection function can be enabled/disabled	--	--	--	✓	✓
	Setting range for reverse power $P_{rp} = S_n$ x …	--	--	--	-0.050 to -1.0; default -0.1;	-0.050 to -1.0; default -0.1;
	Setting range of the delay time for reverse power protection	--	--	--	0.5 - 100 s; default 5 s; (in steps of 0.1 s)	0.5 - 100 s; default 5 s; (in steps of 0.1 s)
	Definition of direction of power flow	--	--	--	bottom -> top; top -> bottom; default: top -> bottom	
	Enabling/disabling of tripping on reverse power	--	--	--	✓	✓
Alarms	**Pre-alarms PAL response thresholds - Function trigger**	--	--	--	✓	✓
	Enabling/disabling of PAL response threshold overload current $I_{r\ pal(1)}$	--	--	--	✓	✓
	Enabling/disabling of PAL response threshold overload current $I_{r\ pal(2)}$	--	--	--	✓	✓
	Setting range of PAL response threshold overload current $I_{r\ pal(1)} = I_r$ x …	--	--	--	50%, 100%; default 50%; (in steps of 1%)	50%, 100%; default 50%; (in steps of 1%)
	Setting range of PAL response threshold overload current $I_{r\ pal(2)} = I_r$ x …	--	--	--	50%, 100%; default 50%; (in steps of 1%)	50%, 100%; default 50%; (in steps of 1%)
	Enabling/disabling of PAL response threshold rated current $I_{n\ pal(1)}$	--	--	--	✓	✓
	Enabling/disabling of PAL response threshold rated current $I_{n\ pal(2)}$	--	--	--	✓	✓
	Setting range of PAL response threshold overload current $I_{n\ pal(1)} = I_n$ x …	--	--	--	0.1 - 10; default 3; (in steps of 0.01)	0.1 - 10; default 3; (in steps of 0.01)
	Setting range of PAL response threshold overload current $I_{n\ pal(2)} = I_n$ x …				0.1 - 10; default 3; (in steps of 0.01)	0.1 - 10; default 3; (in steps of 0.01)
	Crossing the response threshold rated current $I_{n\ pal(1)}$ Direction: from bottom, or from top	--	--	--	default: bottom -> top;	default: bottom -> top;
	Crossing the response threshold rated current $I_{n\ pal(2)}$ Direction: from bottom, or from top	--	--	--	default: bottom -> top;	default: bottom -> top;
	Checking the phase sequence / alarm	--	--	--	✓	✓
	Checking the phase sequence can be enabled/disabled	--	--	--	✓	✓
	Setting range for phase sequence	--	--	--	L1L2L3; L3L2L1; default L1L2L3;	L1L2L3; L3L2L1; default L1L2L3;
	Trip/alarm COS PHI	--	--	--	✓	✓
	Trip COS PHI can be enabled/disabled	--	--	--	✓	✓
	Setting range for checking the COS PHI	--	--	--	0.50 - 0.95; default 0.95; (in steps of 0.01)	0.50 - 0.95; default 0.95; (in steps of 0.01)
Funct.	**Frequency adaptation**					
	Frequency adaptation for ETU 3-series using DIP switch; for ETU 6-series using menu	50 Hz; 60 Hz; default 50 Hz	50 Hz; 60 Hz; default 50 Hz	50 Hz; 60 Hz; default 50 Hz	50 Hz; 60 Hz; default 50 Hz	50 Hz; 60 Hz; default 50 Hz
	Nominal voltage adaptation					
	Nominal voltage	--	--	--	100 V AC - 690 V AC; default 400 V AC	100 V AC - 690 V AC; default 400 V AC

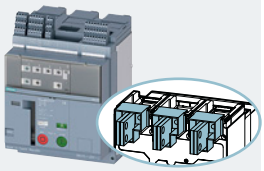
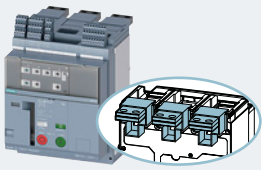
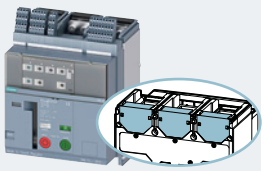
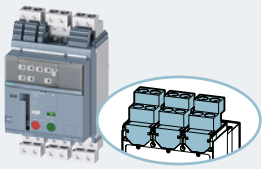
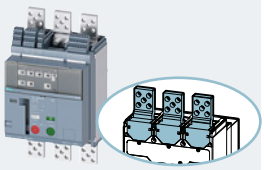
Minimum order quantity (PS) or a multiple thereof can be ordered.

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Equipment features of the ETU types	ETU320 LI	ETU350 LSI	ETU360 LSIG	ETU650 LSI	ETU660 LSIG
Protection					
Line protection	✓	✓	✓	✓	✓
Generator protection	✓	✓	✓	✓	✓
Residual current protection (Rc)	--	--	--	--	✓
Ground-fault protection with current measurement at the star point (G_{RET})	--	--	--	--	✓
MCR protection function - Making current release (switchover to short circuit) with reduced trip time due to instantaneous release (INST) with subsequent deactivation of the INST	--	--	--	✓	✓
Monitoring of the start-up phase by changing the operating values (LT, ST, GF) during heavy starting or in the case of high inrush currents	--	--	--	✓	✓
Monitoring of direction of power flow (with metering function MF)	--	--	--	✓	✓
2nd parameter set	--	--	--	✓	✓
Equipment					
LCD	--	--	--	✓	✓
Setting with rotary coding switch	✓	✓	✓	--	--
Setting via control buttons next to the ETU display	--	--	--	✓	✓
Data display via control buttons next to the ETU display	--	--	--	✓	✓
Metering function as option MF Basic	--	--	--	✓	✓
Metering function as option MF Advanced	--	--	--	✓	✓
Internal I/O module IOM040 with 2 inputs and 2 outputs as an option	--	--	--	✓	✓
External I/O module IOM300 with 10I and 11O as an option	--	--	--	✓	✓
Front interface for parameterization, testing, and data read-out	✓	✓	✓	✓	✓
Communication					
Communication Modbus RTU, Modbus TCP, PROFIBUS, or PROFINET as an option	--	--	--	✓	✓
Self-monitoring and diagnostics					
Watchdog monitored (hardware, firmware) (tripping or only alarm)	✓	✓	✓	✓	✓
Continuous CT and tripping solenoid monitoring (tripping or only alarm)	✓	✓	✓	✓	✓
Protection by temperature monitoring (can be disabled)	✓	✓	✓	✓	✓
Thermal memory (LT adaptation) can be disabled	--	--	--	✓	✓
Write protection for communication	--	--	--	✓	✓
Deactivation of communication for external access	--	--	--	✓	✓

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Selection and ordering data

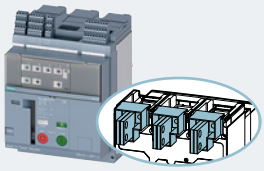
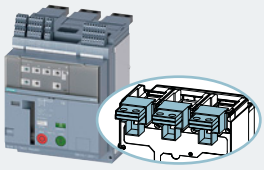
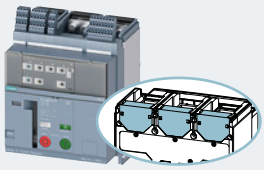
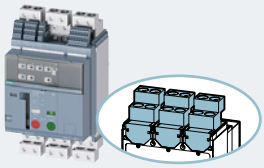
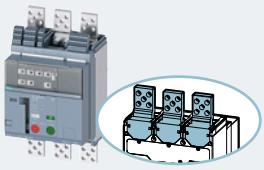
	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 42 kA at 440 V, BASIC breaking capacity B (B)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Rear vertical connection							
	630		**3WL1006-1□□01-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□01-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□01-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□01-□□□□**		1	1 unit	1CA
Rear horizontal connection							
	630		**3WL1006-1□□02-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□02-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□02-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□02-□□□□**		1	1 unit	1CA
Front terminal for main circuit connection							
	630		**3WL1006-1□□03-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□03-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□03-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□03-□□□□**		1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	630		**3WL1006-1□□04-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□04-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□04-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□04-□□□□**		1	1 unit	1CA
Front connection bars, extended							
	630		**3WL1006-1□□05-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□05-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□05-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□05-□□□□**		1	1 unit	1CA

Versions – always with S24 and AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)	**A**	**B**			✓
with ETU350 (LSI)	**A**	**C**			✓
with ETU360 (LSIG)	**A**	**D**			✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)		**E**			✓
with ETU660 (LSIG)		**F**			✓
With display, without communications interface, without metering function	**A**				✓
With display, with communications interface, without metering function	**B**				✓
With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**				✓
With display, with communications interface, with Basic metering function (voltage tap at top)	**D**				✓
With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**				✓
With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**				✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT

Minimum order quantity (PS) or a multiple thereof can be ordered.

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	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 55 kA at 440 V, ECO breaking capacity N (N)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Rear vertical connection							
	630		**3WL1006-2□□01-□□□□**		1	1 unit	1CA
	800		**3WL1008-2□□01-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2□□01-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2□□01-□□□□**		1	1 unit	1CA
Rear horizontal connection							
	630		**3WL1006-2□□02-□□□□**		1	1 unit	1CA
	800		**3WL1008-2□□02-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2□□02-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2□□02-□□□□**		1	1 unit	1CA
Front terminal for main circuit connection							
	630		**3WL1006-2□□03-□□□□**		1	1 unit	1CA
	800		**3WL1008-2□□03-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2□□03-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2□□03-□□□□**		1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	630		**3WL1006-2□□04-□□□□**		1	1 unit	1CA
	800		**3WL1008-2□□04-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2□□04-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2□□04-□□□□**		1	1 unit	1CA
Front connection bars, extended							
	630		**3WL1006-2□□05-□□□□**		1	1 unit	1CA
	800		**3WL1008-2□□05-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2□□05-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2□□05-□□□□**		1	1 unit	1CA

Versions – always with S24 and AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)	**A**	**B**			✓
with ETU350 (LSI)	**A**	**C**			✓
with ETU360 (LSIG)	**A**	**D**			✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)		**E**			✓
with ETU660 (LSIG)		**F**			✓
With display, without communications interface, without metering function	**A**				✓
With display, with communications interface, without metering function	**B**				✓
With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**				✓
With display, with communications interface, with Basic metering function (voltage tap at top)	**D**				✓
With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**				✓
With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**				✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT

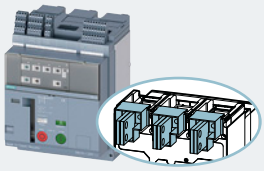
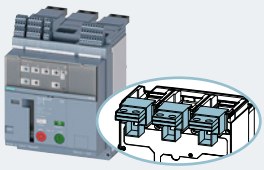
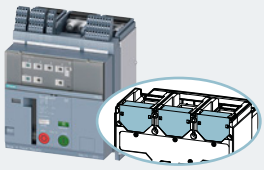
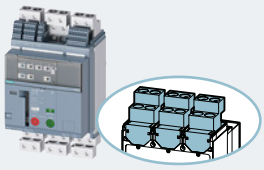
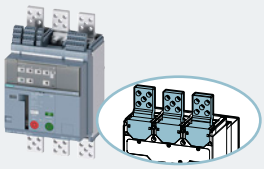
Minimum order quantity (PS) or a multiple thereof can be ordered.

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Air Circuit Breakers

NEW 3WL10 Air Circuit Breakers/Non-Automatic Air Circuit Breakers
Size 0 for AC up to 1250 A

3-pole, fixed-mounted versions

	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 66 kA at 440 V, standard breaking capacity S (S)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Rear vertical connection							
	630		**3WL1006-3□□01-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□01-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□01-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□01-□□□□**		1	1 unit	1CA
Rear horizontal connection							
	630		**3WL1006-3□□02-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□02-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□02-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□02-□□□□**		1	1 unit	1CA
Front terminal for main circuit connection							
	630		**3WL1006-3□□03-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□03-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□03-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□03-□□□□**		1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	630		**3WL1006-3□□04-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□04-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□04-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□04-□□□□**		1	1 unit	1CA
Front connection bars, extended							
	630		**3WL1006-3□□05-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□05-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□05-□□□□**		1	1 unit	1CA
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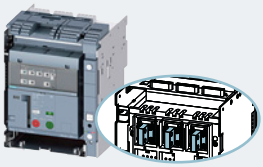
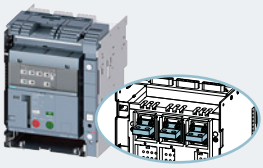
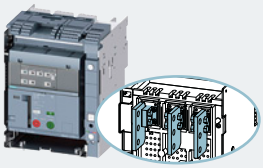
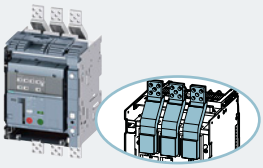
Versions – always with S24 and AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)		**A**	**B**		✓
with ETU350 (LSI)		**A**	**C**		✓
with ETU360 (LSIG)		**A**	**D**		✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)			**E**		✓
with ETU660 (LSIG)			**F**		✓
	With display, without communications interface, without metering function	**A**			✓
	With display, with communications interface, without metering function	**B**			✓
	With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**			✓
	With display, with communications interface, with Basic metering function (voltage tap at top)	**D**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**			✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Selection and ordering data

	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 42 kA at 440 V, BASIC breaking capacity B (B)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Withdrawable breaker version without guide frame							
	630		**3WL1006-1□□30-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□30-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□30-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□30-□□□□**		1	1 unit	1CA
With guide frame, rear vertical connection							
	630		**3WL1006-1□□31-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□31-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□31-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□31-□□□□**		1	1 unit	1CA
With guide frame, rear horizontal connection							
	630		**3WL1006-1□□32-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□32-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□32-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□32-□□□□**		1	1 unit	1CA
Circular conductor terminal for Cu/Al cable lugs, rear terminal for main circuit connection							
	630		**3WL1006-1□□34-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□34-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□34-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□34-□□□□**		1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection							
	630		**3WL1006-1□□35-□□□□**		1	1 unit	1CA
	800		**3WL1008-1□□35-□□□□**		1	1 unit	1CA
	1000		**3WL1010-1□□35-□□□□**		1	1 unit	1CA
	1250		**3WL1012-1□□35-□□□□**		1	1 unit	1CA

Versions – always with S24, PSS (in frame), AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)	**A**	**B**			✓
with ETU350 (LSI)	**A**	**C**			✓
with ETU360 (LSIG)	**A**	**D**			✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)		**E**			✓
with ETU660 (LSIG)		**F**			✓
With display, without communications interface, without metering function	**A**				✓
With display, with communications interface, without metering function	**B**				✓
With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**				✓
With display, with communications interface, with Basic metering function (voltage tap at top)	**D**				✓
With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**				✓
With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**				✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT, COM PSS

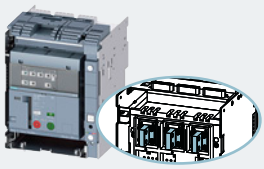
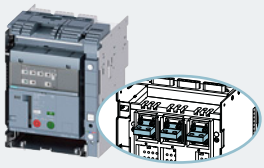
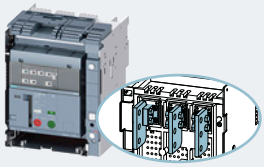
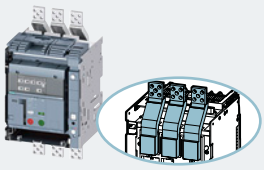
Minimum order quantity (PS) or a multiple thereof can be ordered.

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Air Circuit Breakers

NEW 3WL10 Air Circuit Breakers/Non-Automatic Air Circuit Breakers
Size 0 for AC up to 1250 A

3-pole, withdrawable versions

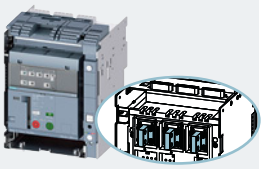
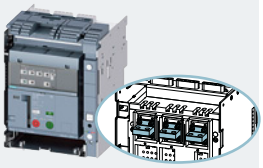
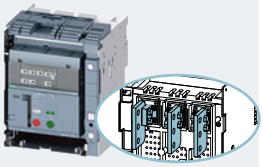
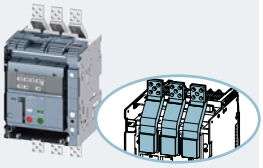
	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 55 kA at 440 V, ECO breaking capacity N (N)	PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No. / Basic price per PU			
	A	d				
Withdrawable breaker version without guide frame						
	630		**3WL1006-2□□30-□□□□**	1	1 unit	1CA
	800		**3WL1008-2□□30-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2□□30-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2□□30-□□□□**	1	1 unit	1CA
With guide frame, rear vertical connection						
	630		**3WL1006-2□□31-□□□□**	1	1 unit	1CA
	800		**3WL1008-2□□31-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2□□31-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2□□31-□□□□**	1	1 unit	1CA
With guide frame, rear horizontal connection						
	630		**3WL1006-2□□32-□□□□**	1	1 unit	1CA
	800		**3WL1008-2□□32-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2□□32-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2□□32-□□□□**	1	1 unit	1CA
Circular conductor terminal for Cu/Al cable lugs, rear terminal for main circuit connection						
	630		**3WL1006-2□□34-□□□□**	1	1 unit	1CA
	800		**3WL1008-2□□34-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2□□34-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2□□34-□□□□**	1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection						
	630		**3WL1006-2□□35-□□□□**	1	1 unit	1CA
	800		**3WL1008-2□□35-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2□□35-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2□□35-□□□□**	1	1 unit	1CA

Versions – always with S24, PSS (in frame), AUX 4 CO signaling and auxiliary switches				Additional price
ETU 3-series – Communications interface and metering function not possible				
with ETU320 (LI)	**A**	**B**		✓
with ETU350 (LSI)	**A**	**C**		✓
with ETU360 (LSIG)	**A**	**D**		✓
ETU 6-series – Expandable with communications interface[1] and metering function				
with ETU650 (LSI)		**E**		✓
with ETU660 (LSIG)		**F**		✓
With display, without communications interface, without metering function	**A**			✓
With display, with communications interface, without metering function	**B**			✓
With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**			✓
With display, with communications interface, with Basic metering function (voltage tap at top)	**D**			✓
With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**			✓
With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**			✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT, COM PSS

Minimum order quantity (PS) or a multiple thereof can be ordered.

© Siemens AG 2019

	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 66 kA at 440 V, standard breaking capacity S (S)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Withdrawable breaker version without guide frame							
	630		**3WL1006-3□□30-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□30-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□30-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□30-□□□□**		1	1 unit	1CA
With guide frame, rear vertical connection							
	630		**3WL1006-3□□31-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□31-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□31-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□31-□□□□**		1	1 unit	1CA
With guide frame, rear horizontal connection							
	630		**3WL1006-3□□32-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□32-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□32-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□32-□□□□**		1	1 unit	1CA
Circular conductor terminal for Cu/Al cable lugs, rear terminal for main circuit connection							
	630		**3WL1006-3□□34-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□34-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□34-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□34-□□□□**		1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection							
	630		**3WL1006-3□□35-□□□□**		1	1 unit	1CA
	800		**3WL1008-3□□35-□□□□**		1	1 unit	1CA
	1000		**3WL1010-3□□35-□□□□**		1	1 unit	1CA
	1250		**3WL1012-3□□35-□□□□**		1	1 unit	1CA

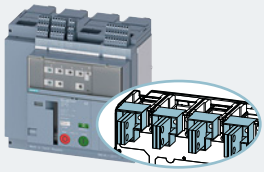
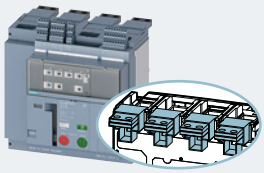
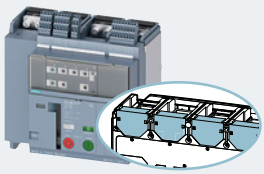
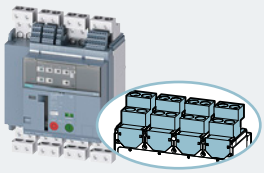
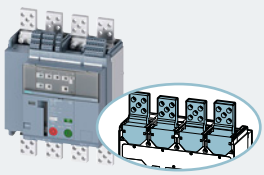
Versions – always with S24, PSS (in frame), AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)		**A**	**B**		✓
with ETU350 (LSI)		**A**	**C**		✓
with ETU360 (LSIG)		**A**	**D**		✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)			**E**		✓
with ETU660 (LSIG)			**F**		✓
	With display, without communications interface, without metering function	**A**			✓
	With display, with communications interface, without metering function	**B**			✓
	With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**			✓
	With display, with communications interface, with Basic metering function (voltage tap at top)	**D**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**			✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT, COM PSS

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Selection and ordering data

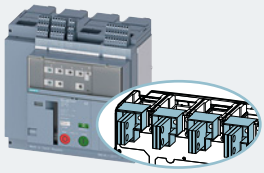
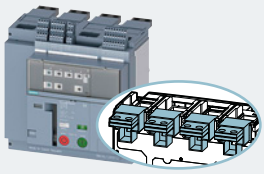
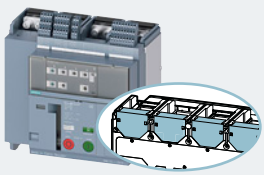
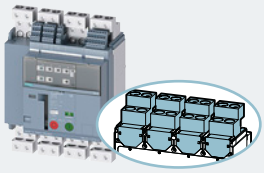
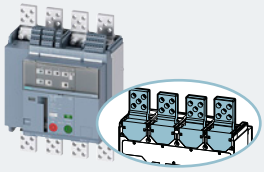
		Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 42 kA at 440 V, BASIC breaking capacity B (B) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
		A	d					
Rear vertical connection								
	Neutral left	630		**3WL1006-1□□11-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□11-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□11-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□11-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□21-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□21-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□21-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□21-□□□□**		1	1 unit	1CA
Rear horizontal connection								
	Neutral left	630		**3WL1006-1□□12-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□12-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□12-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□12-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□22-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□22-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□22-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□22-□□□□**		1	1 unit	1CA
Front terminal for main circuit connection								
	Neutral left	630		**3WL1006-1□□13-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□13-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□13-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□13-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□23-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□23-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□23-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□23-□□□□**		1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection								
	Neutral left	630		**3WL1006-1□□14-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□14-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□14-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□14-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□24-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□24-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□24-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□24-□□□□**		1	1 unit	1CA
Front connection bars, extended								
	Neutral left	630		**3WL1006-1□□15-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□15-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□15-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□15-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□25-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□25-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□25-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□25-□□□□**		1	1 unit	1CA

Versions – always with S24 and AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)	**A**	**B**			✓
with ETU350 (LSI)	**A**	**C**			✓
with ETU360 (LSIG)	**A**	**D**			✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)		**E**			✓
with ETU660 (LSIG)		**F**			✓
With display, without communications interface, without metering function	**A**				✓
With display, with communications interface, without metering function	**B**				✓
With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**				✓
With display, with communications interface, with Basic metering function (voltage tap at top)	**D**				✓
With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**				✓
With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**				✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT

Minimum order quantity (PS) or a multiple thereof can be ordered.

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		Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 55 kA at 440 V, ECO breaking capacity N (N)	PU (UNIT, SET, M)	PS	PG
				Article No. www.siemens.com/product?Article No. / Basic price per PU			
		A	d				
Rear vertical connection							
	Neutral left	630		**3WL1006-2□□11-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□11-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□11-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□11-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□21-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□21-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□21-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□21-□□□□**	1	1 unit	1CA
Rear horizontal connection							
	Neutral left	630		**3WL1006-2□□12-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□12-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□12-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□12-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□22-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□22-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□22-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□22-□□□□**	1	1 unit	1CA
Front terminal for main circuit connection							
	Neutral left	630		**3WL1006-2□□13-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□13-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□13-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□13-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□23-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□23-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□23-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□23-□□□□**	1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	Neutral left	630		**3WL1006-2□□14-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□14-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□14-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□14-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□24-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□24-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□24-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□24-□□□□**	1	1 unit	1CA
Front connection bars, extended							
	Neutral left	630		**3WL1006-2□□15-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□15-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□15-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□15-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□25-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□25-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□25-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□25-□□□□**	1	1 unit	1CA

Versions – always with S24 and AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)	**A**	**B**			✓
with ETU350 (LSI)	**A**	**C**			✓
with ETU360 (LSIG)	**A**	**D**			✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)		**E**			✓
with ETU660 (LSIG)		**F**			✓
With display, without communications interface, without metering function	**A**				✓
With display, with communications interface, without metering function	**B**				✓
With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**				✓
With display, with communications interface, with Basic metering function (voltage tap at top)	**D**				✓
With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**				✓
With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**				✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT

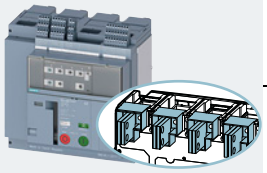
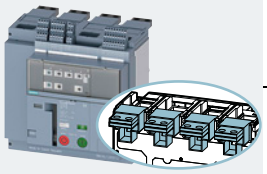
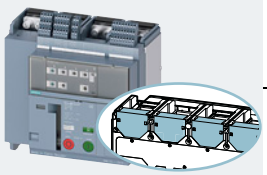
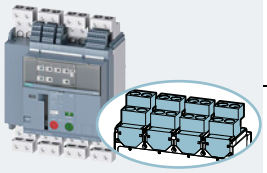
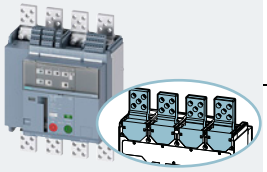
Minimum order quantity (PS) or a multiple thereof can be ordered.

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Air Circuit Breakers

NEW 3WL10 Air Circuit Breakers/Non-Automatic Air Circuit Breakers
Size 0 for AC up to 1250 A

4-pole, fixed-mounted versions

		Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 66 kA at 440 V, standard breaking capacity S (S)	PU (UNIT, SET, M)	PS	PG
				Article No. www.siemens.com/product?Article No. / Basic price per PU			
		A	d				
Rear vertical connection							
	Neutral left	630		**3WL1006-3□□11-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□11-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□11-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□11-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□21-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□21-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□21-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□21-□□□□**	1	1 unit	1CA
Rear horizontal connection							
	Neutral left	630		**3WL1006-3□□12-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□12-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□12-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□12-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□22-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□22-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□22-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□22-□□□□**	1	1 unit	1CA
Front terminal for main circuit connection							
	Neutral left	630		**3WL1006-3□□13-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□13-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□13-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□13-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□23-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□23-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□23-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□23-□□□□**	1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	Neutral left	630		**3WL1006-3□□14-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□14-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□14-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□14-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□24-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□24-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□24-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□24-□□□□**	1	1 unit	1CA
Front connection bars, extended							
	Neutral left	630		**3WL1006-3□□15-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□15-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□15-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□15-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□25-□□□□**	1	1 unit	1CA
		800		**3WL1008-3□□25-□□□□**	1	1 unit	1CA
		1000		**3WL1010-3□□25-□□□□**	1	1 unit	1CA
		1250		**3WL1012-3□□25-□□□□**	1	1 unit	1CA

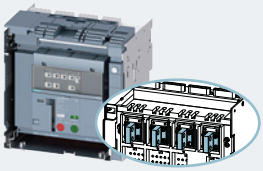
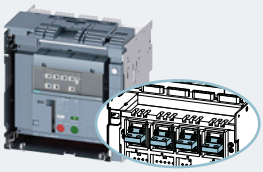
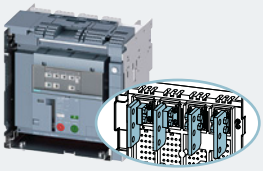
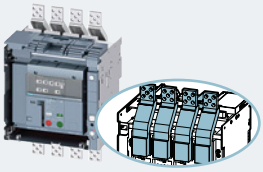
Versions – always with S24 and AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)		**A**	**B**		✓
with ETU350 (LSI)		**A**	**C**		✓
with ETU360 (LSIG)		**A**	**D**		✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)			**E**		✓
with ETU660 (LSIG)			**F**		✓
	With display, without communications interface, without metering function	**A**			✓
	With display, with communications interface, without metering function	**B**			✓
	With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**			✓
	With display, with communications interface, with Basic metering function (voltage tap at top)	**D**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**			✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Selection and ordering data

		Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 42 kA at 440 V, BASIC breaking capacity B (B) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
		A	d					
Withdrawable breaker version without guide frame								
	Neutral left	630		**3WL1006-1□□40-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□40-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□40-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□40-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□50-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□50-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□50-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□50-□□□□**		1	1 unit	1CA
With guide frame, rear vertical connection								
	Neutral left	630		**3WL1006-1□□41-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□41-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□41-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□41-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□51-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□51-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□51-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□51-□□□□**		1	1 unit	1CA
With guide frame, rear horizontal connection								
	Neutral left	630		**3WL1006-1□□42-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□42-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□42-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□42-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□52-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□52-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□52-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□52-□□□□**		1	1 unit	1CA
With guide frame, circular conductor terminal for Cu/Al cable lug, rear terminal for main circuit connection								
	Neutral left	630		**3WL1006-1□□44-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□44-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□44-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□44-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□54-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□54-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□54-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□54-□□□□**		1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection								
	Neutral left	630		**3WL1006-1□□45-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□45-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□45-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□45-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-1□□55-□□□□**		1	1 unit	1CA
		800		**3WL1008-1□□55-□□□□**		1	1 unit	1CA
		1000		**3WL1010-1□□55-□□□□**		1	1 unit	1CA
		1250		**3WL1012-1□□55-□□□□**		1	1 unit	1CA

Versions – always with S24, PSS (in frame), AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)		**A**	**B**		✓
with ETU350 (LSI)		**A**	**C**		✓
with ETU360 (LSIG)		**A**	**D**		✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)			**E**		✓
with ETU660 (LSIG)			**F**		✓
	With display, without communications interface, without metering function	**A**			✓
	With display, with communications interface, without metering function	**B**			✓
	With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**			✓
	With display, with communications interface, with Basic metering function (voltage tap at top)	**D**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**			✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT, COM PSS

Minimum order quantity (PS) or a multiple thereof can be ordered.

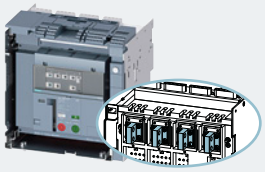
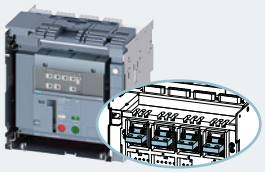
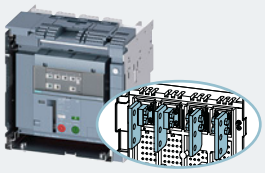
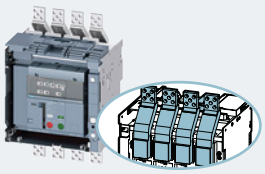
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Air Circuit Breakers

NEW 3WL10 Air Circuit Breakers/Non-Automatic Air Circuit Breakers

Size 0 for AC up to 1250 A

4-pole, withdrawable versions

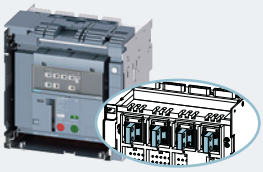
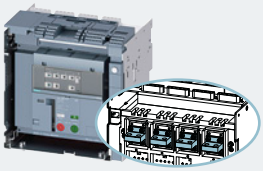
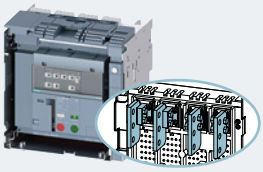
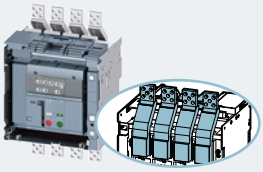
		Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 55 kA at 440 V, ECO breaking capacity N (N)	PU (UNIT, SET, M)	PS	PG
				Article No. www.siemens.com/product?Article No. / Basic price per PU			
		A	d				
Withdrawable breaker version without guide frame							
	Neutral left	630		**3WL1006-2□□40-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□40-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□40-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□40-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□50-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□50-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□50-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□50-□□□□**	1	1 unit	1CA
With guide frame, rear vertical connection							
	Neutral left	630		**3WL1006-2□□41-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□41-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□41-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□41-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□51-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□51-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□51-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□51-□□□□**	1	1 unit	1CA
With guide frame, rear horizontal connection							
	Neutral left	630		**3WL1006-2□□42-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□42-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□42-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□42-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□52-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□52-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□52-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□52-□□□□**	1	1 unit	1CA
With guide frame, circular conductor terminal for Cu/Al cable lug, rear terminal for main circuit connection							
	Neutral left	630		**3WL1006-2□□44-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□44-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□44-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□44-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□54-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□54-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□54-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□54-□□□□**	1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection							
	Neutral left	630		**3WL1006-2□□45-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□45-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□45-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□45-□□□□**	1	1 unit	1CA
	Neutral right	630		**3WL1006-2□□55-□□□□**	1	1 unit	1CA
		800		**3WL1008-2□□55-□□□□**	1	1 unit	1CA
		1000		**3WL1010-2□□55-□□□□**	1	1 unit	1CA
		1250		**3WL1012-2□□55-□□□□**	1	1 unit	1CA

Versions – always with S24, PSS (in frame), AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)		**A**	**B**		✓
with ETU350 (LSI)		**A**	**C**		✓
with ETU360 (LSIG)		**A**	**D**		✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)			**E**		✓
with ETU660 (LSIG)			**F**		✓
	With display, without communications interface, without metering function	**A**			✓
	With display, with communications interface, without metering function	**B**			✓
	With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**			✓
	With display, with communications interface, with Basic metering function (voltage tap at top)	**D**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**			✓
	With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**			✓

[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT, COM PSS

Minimum order quantity (PS) or a multiple thereof can be ordered.

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		Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cu} 66 kA at 440 V, standard breaking capacity S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
		A	d					
Withdrawable breaker version without guide frame								
	Neutral left	630		**3WL1006-3□□40-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□40-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□40-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□40-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□50-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□50-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□50-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□50-□□□□**		1	1 unit	1CA
With guide frame, rear vertical connection								
	Neutral left	630		**3WL1006-3□□41-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□41-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□41-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□41-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□51-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□51-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□51-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□51-□□□□**		1	1 unit	1CA
With guide frame, rear horizontal connection								
	Neutral left	630		**3WL1006-3□□42-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□42-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□42-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□42-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□52-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□52-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□52-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□52-□□□□**		1	1 unit	1CA
With guide frame, circular conductor terminal for Cu/Al cable lug, rear terminal for main circuit connection								
	Neutral left	630		**3WL1006-3□□44-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□44-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□44-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□44-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□54-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□54-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□54-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□54-□□□□**		1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection								
	Neutral left	630		**3WL1006-3□□45-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□45-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□45-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□45-□□□□**		1	1 unit	1CA
	Neutral right	630		**3WL1006-3□□55-□□□□**		1	1 unit	1CA
		800		**3WL1008-3□□55-□□□□**		1	1 unit	1CA
		1000		**3WL1010-3□□55-□□□□**		1	1 unit	1CA
		1250		**3WL1012-3□□55-□□□□**		1	1 unit	1CA

Versions – always with S24, PSS (in frame), AUX 4 CO signaling and auxiliary switches					Additional price
ETU 3-series – Communications interface and metering function not possible					
with ETU320 (LI)	**A**	**B**			✓
with ETU350 (LSI)	**A**	**C**			✓
with ETU360 (LSIG)	**A**	**D**			✓
ETU 6-series – Expandable with communications interface[1] and metering function					
with ETU650 (LSI)		**E**			✓
with ETU660 (LSIG)		**F**			✓
With display, without communications interface, without metering function	**A**				✓
With display, with communications interface, without metering function	**B**				✓
With display, with communications interface, with Basic metering function (voltage tap at bottom)	**C**				✓
With display, with communications interface, with Basic metering function (voltage tap at top)	**D**				✓
With display, with communications interface, with Advanced metering function (voltage tap at bottom)	**E**				✓
With display, with communications interface, with Advanced metering function (voltage tap at top)	**F**				✓

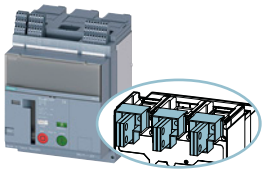
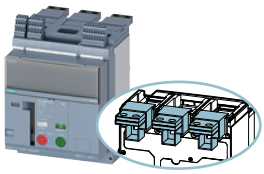
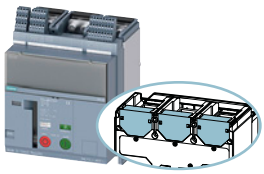
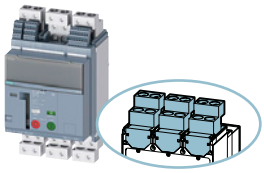
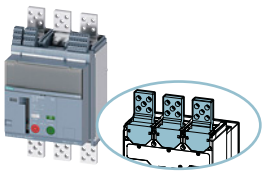
[1] Communications interface = incl. Breaker Connect module (24 V), COM RTC, COM ACT, COM PSS

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Fixed-mounted non-automatic air circuit breakers

Selection and ordering data

3-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 42 kA at 440 V, Class N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	d					
Rear vertical connection							
	630		**3WL1006-2AA01-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA01-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA01-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA01-□□□□**		1	1 unit	1CA
Rear horizontal connection							
	630		**3WL1006-2AA02-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA02-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA02-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA02-□□□□**		1	1 unit	1CA
Front terminal for main circuit connection							
	630		**3WL1006-2AA03-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA03-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA03-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA03-□□□□**		1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	630		**3WL1006-2AA04-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA04-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA04-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA04-□□□□**		1	1 unit	1CA
Front connection bars, extended							
	630		**3WL1006-2AA05-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA05-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA05-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA05-□□□□**		1	1 unit	1CA

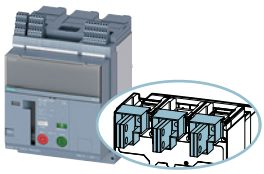
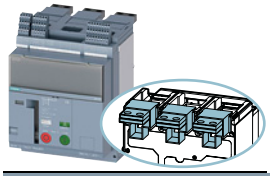
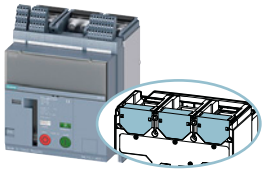
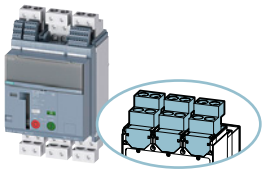
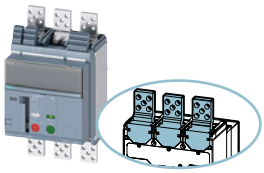
Note

If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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3-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 50 kA at 440 V, Class S (S)	PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No. / Basic price per PU			
	A	d				
Rear vertical connection						
	630		**3WL1006-3AA01-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA01-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA01-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA01-□□□□**	1	1 unit	1CA
Rear horizontal connection						
	630		**3WL1006-3AA02-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA02-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA02-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA02-□□□□**	1	1 unit	1CA
Front terminal for main circuit connection						
	630		**3WL1006-3AA03-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA03-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA03-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA03-□□□□**	1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection						
	630		**3WL1006-3AA04-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA04-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA04-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA04-□□□□**	1	1 unit	1CA
Front connection bars, extended						
	630		**3WL1006-3AA05-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA05-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA05-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA05-□□□□**	1	1 unit	1CA

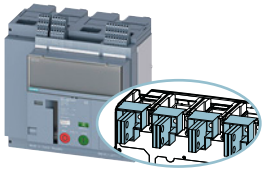
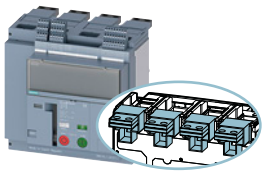
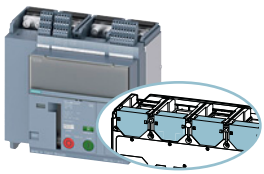
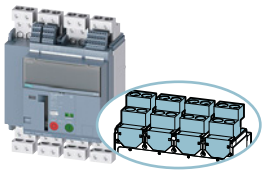
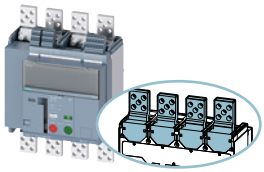
Note

If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts.

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Fixed-mounted non-automatic air circuit breakers

4-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 42 kA at 440 V, Class N (N)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Rear vertical connection			**N left**	**N right**			
	630		**3WL1006-2AA11-□□□□**	**3WL1006-2AA21-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA11-□□□□**	**3WL1008-2AA21-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA11-□□□□**	**3WL1010-2AA21-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA11-□□□□**	**3WL1012-2AA21-□□□□**	1	1 unit	1CA
Rear horizontal connection							
	630		**3WL1006-2AA12-□□□□**	**3WL1006-2AA22-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA12-□□□□**	**3WL1008-2AA22-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA12-□□□□**	**3WL1010-2AA22-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA12-□□□□**	**3WL1012-2AA22-□□□□**	1	1 unit	1CA
Front terminal for main circuit connection							
	630		**3WL1006-2AA13-□□□□**	**3WL1006-2AA23-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA13-□□□□**	**3WL1008-2AA23-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA13-□□□□**	**3WL1010-2AA23-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA13-□□□□**	**3WL1012-2AA23-□□□□**	1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	630		**3WL1006-2AA14-□□□□**	**3WL1006-2AA24-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA14-□□□□**	**3WL1008-2AA24-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA14-□□□□**	**3WL1010-2AA24-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA14-□□□□**	**3WL1012-2AA24-□□□□**	1	1 unit	1CA
Front connection bars, extended							
	630		**3WL1006-2AA15-□□□□**	**3WL1006-2AA25-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA15-□□□□**	**3WL1008-2AA25-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA15-□□□□**	**3WL1010-2AA25-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA15-□□□□**	**3WL1012-2AA25-□□□□**	1	1 unit	1CA

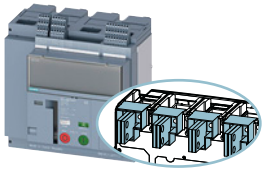
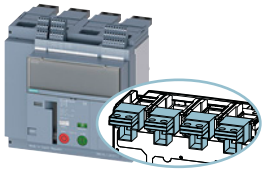
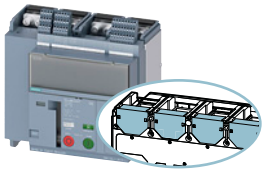
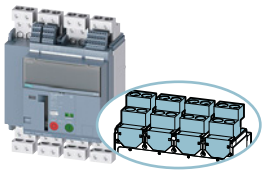
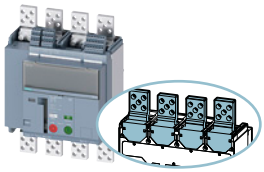
Note

If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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4-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 50 kA at 440 V, Class S (S)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Rear vertical connection			**N left**	**N right**			
	630		**3WL1006-2AA11-□□□□**	**3WL1006-2AA21-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA11-□□□□**	**3WL1008-2AA21-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA11-□□□□**	**3WL1010-2AA21-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA11-□□□□**	**3WL1012-2AA21-□□□□**	1	1 unit	1CA
Rear horizontal connection							
	630		**3WL1006-2AA12-□□□□**	**3WL1006-2AA22-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA12-□□□□**	**3WL1008-2AA22-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA12-□□□□**	**3WL1010-2AA22-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA12-□□□□**	**3WL1012-2AA22-□□□□**	1	1 unit	1CA
Front terminal for main circuit connection							
	630		**3WL1006-2AA13-□□□□**	**3WL1006-2AA23-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA13-□□□□**	**3WL1008-2AA23-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA13-□□□□**	**3WL1010-2AA23-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA13-□□□□**	**3WL1012-2AA23-□□□□**	1	1 unit	1CA
Circular conductor terminal for Cu/Al cable, front terminal for main circuit connection							
	630		**3WL1006-2AA14-□□□□**	**3WL1006-2AA24-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA14-□□□□**	**3WL1008-2AA24-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA14-□□□□**	**3WL1010-2AA24-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA14-□□□□**	**3WL1012-2AA24-□□□□**	1	1 unit	1CA
Front connection bars, extended							
	630		**3WL1006-2AA15-□□□□**	**3WL1006-2AA25-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA15-□□□□**	**3WL1008-2AA25-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA15-□□□□**	**3WL1010-2AA25-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA15-□□□□**	**3WL1012-2AA25-□□□□**	1	1 unit	1CA

Note

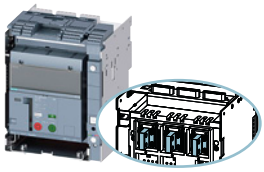
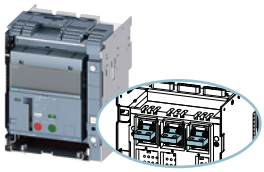
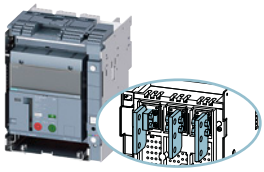
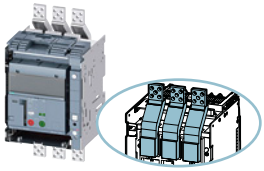
If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts.

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Withdrawable non-automatic air circuit breakers

Selection and ordering data

3-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 42 kA at 440 V, Class N (N)		PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No.	Basic price per PU			
	A	d					
Withdrawable breaker version without guide frame							
	630		**3WL1006-2AA30-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA30-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA30-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA30-□□□□**		1	1 unit	1CA
With guide frame, rear vertical connection							
	630		**3WL1006-2AA31-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA31-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA31-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA31-□□□□**		1	1 unit	1CA
With guide frame, rear horizontal connection							
	630		**3WL1006-2AA32-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA32-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA32-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA32-□□□□**		1	1 unit	1CA
With guide frame, circular conductor terminal for Cu/Al cable lug, rear terminal for main circuit connection							
	630		**3WL1006-2AA34-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA34-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA34-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA34-□□□□**		1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection							
	630		**3WL1006-2AA35-□□□□**		1	1 unit	1CA
	800		**3WL1008-2AA35-□□□□**		1	1 unit	1CA
	1000		**3WL1010-2AA35-□□□□**		1	1 unit	1CA
	1250		**3WL1012-2AA35-□□□□**		1	1 unit	1CA

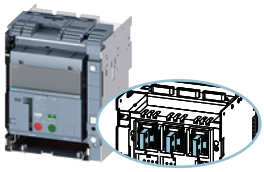
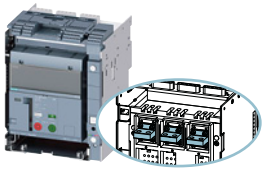
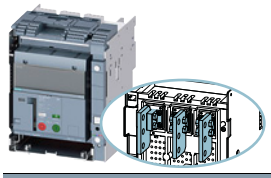
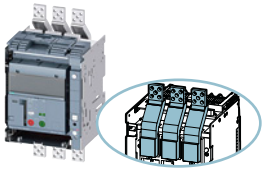
Note

If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts and PSS signaling switches (in frame).

Minimum order quantity (PS) or a multiple thereof can be ordered.

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3-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 50 kA at 440 V, Class S (S)	PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/product?Article No. / Basic price per PU			
	A	d				
Withdrawable breaker version without guide frame						
	630		**3WL1006-3AA30-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA30-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA30-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA30-□□□□**	1	1 unit	1CA
With guide frame, rear vertical connection						
	630		**3WL1006-3AA31-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA31-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA31-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA31-□□□□**	1	1 unit	1CA
With guide frame, rear horizontal connection						
	630		**3WL1006-3AA32-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA32-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA32-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA32-□□□□**	1	1 unit	1CA
With guide frame, circular conductor terminal for Cu/Al cable lug, rear terminal for main circuit connection						
	630		**3WL1006-3AA34-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA34-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA34-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA34-□□□□**	1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection						
	630		**3WL1006-3AA35-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA35-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA35-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA35-□□□□**	1	1 unit	1CA

Note

If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

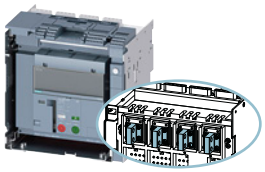
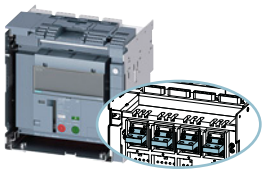
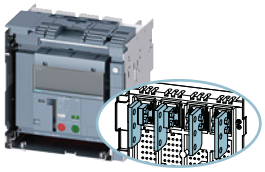
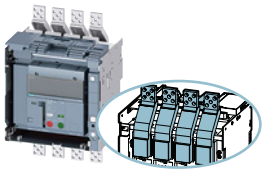
The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts and PSS signaling switches (in frame).

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Air Circuit Breakers

NEW 3WL10 Air Circuit Breakers/Non-Automatic Air Circuit Breakers
Size 0 for AC up to 1250 A

Withdrawable non-automatic air circuit breakers

4-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 42 kA at 440 V, Class N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	d					
Withdrawable breaker version without guide frame			**N left**	**N right**			
	630		**3WL1006-2AA40-□□□□**	**3WL1006-2AA50-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA40-□□□□**	**3WL1008-2AA50-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA40-□□□□**	**3WL1010-2AA50-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA40-□□□□**	**3WL1012-2AA50-□□□□**	1	1 unit	1CA
With guide frame, rear vertical connection							
	630		**3WL1006-2AA41-□□□□**	**3WL1006-2AA51-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA41-□□□□**	**3WL1008-2AA51-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA41-□□□□**	**3WL1010-2AA51-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA41-□□□□**	**3WL1012-2AA51-□□□□**	1	1 unit	1CA
With guide frame, rear horizontal connection							
	630		**3WL1006-2AA42-□□□□**	**3WL1006-2AA52-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA42-□□□□**	**3WL1008-2AA52-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA42-□□□□**	**3WL1010-2AA52-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA42-□□□□**	**3WL1012-2AA52-□□□□**	1	1 unit	1CA
With guide frame, circular conductor terminal for Cu/Al cable lug, rear terminal for main circuit connection							
	630		**3WL1006-2AA44-□□□□**	**3WL1006-2AA54-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA44-□□□□**	**3WL1008-2AA54-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA44-□□□□**	**3WL1010-2AA54-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA44-□□□□**	**3WL1012-2AA54-□□□□**	1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection							
	630		**3WL1006-2AA45-□□□□**	**3WL1006-2AA55-□□□□**	1	1 unit	1CA
	800		**3WL1008-2AA45-□□□□**	**3WL1008-2AA55-□□□□**	1	1 unit	1CA
	1000		**3WL1010-2AA45-□□□□**	**3WL1010-2AA55-□□□□**	1	1 unit	1CA
	1250		**3WL1012-2AA45-□□□□**	**3WL1012-2AA55-□□□□**	1	1 unit	1CA

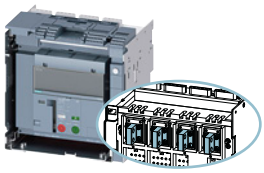
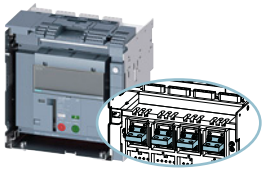
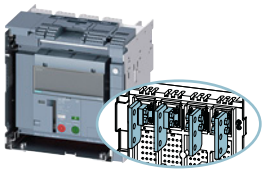
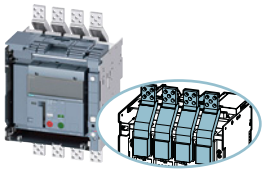
Note

If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts and PSS signaling switches (in frame).

Minimum order quantity (PS) or a multiple thereof can be ordered.

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4-pole	Max. rated circuit breaker current $I_{n\,max}$	SD	I_{cc} 50 kA at 440 V, Class S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS	PG
	A	d					
Withdrawable breaker version without guide frame			**N left**	**N right**			
	630		**3WL1006-3AA40-□□□□**	**3WL1006-3AA50-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA40-□□□□**	**3WL1008-3AA50-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA40-□□□□**	**3WL1010-3AA50-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA40-□□□□**	**3WL1012-3AA50-□□□□**	1	1 unit	1CA
With guide frame, rear vertical connection							
	630		**3WL1006-3AA41-□□□□**	**3WL1006-3AA51-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA41-□□□□**	**3WL1008-3AA51-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA41-□□□□**	**3WL1010-3AA51-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA41-□□□□**	**3WL1012-3AA51-□□□□**	1	1 unit	1CA
With guide frame, rear horizontal connection							
	630		**3WL1006-3AA42-□□□□**	**3WL1006-3AA52-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA42-□□□□**	**3WL1008-3AA52-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA42-□□□□**	**3WL1010-3AA52-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA42-□□□□**	**3WL1012-3AA52-□□□□**	1	1 unit	1CA
With guide frame, circular conductor terminal for Cu/Al cable lug, rear terminal for main circuit connection							
	630		**3WL1006-3AA44-□□□□**	**3WL1006-3AA54-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA44-□□□□**	**3WL1008-3AA54-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA44-□□□□**	**3WL1010-3AA54-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA44-□□□□**	**3WL1012-3AA54-□□□□**	1	1 unit	1CA
With guide frame, front-accessible, extended terminal for main circuit connection							
	630		**3WL1006-3AA45-□□□□**	**3WL1006-3AA55-□□□□**	1	1 unit	1CA
	800		**3WL1008-3AA45-□□□□**	**3WL1008-3AA55-□□□□**	1	1 unit	1CA
	1000		**3WL1010-3AA45-□□□□**	**3WL1010-3AA55-□□□□**	1	1 unit	1CA
	1250		**3WL1012-3AA45-□□□□**	**3WL1012-3AA55-□□□□**	1	1 unit	1CA

Note

If the switch disconnector is additionally used with an external protection relay with a maximum delay time of 500 ms, it enables a breaking capacity at the maximum rated operational voltage (U_e) to be received that is as high as the value of the rated short-time current (I_{cw}) for one second.

The non-automatic circuit breaker is always supplied with AUX 4 CO auxiliary contacts and PSS signaling switches (in frame).

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1

Options

Overview

		Article No. supplement 3WL10…-…..- □□□□	Additional price
Operators			
Type	U_s V AC/DC		
Manual operator (no spring charging motor)	--	0	None
With spring charging motor	24-30	1	✓
Scope of supply: Spring charging motor and spring charged signaling switch S21. When a spring charging motor is used, a closing coil (CC) and a shunt release (ST) are useful to permit electrical ON/OFF switching.	48-60	2	✓
	110	3	✓
	230	4	✓
Closing coil, remote reset magnet (CC and RR)			
Type	U_s V AC/DC		
Without closing coil (CC), without remote reset magnet (RR)	--	A	None
Closing coil (CC)	24	B	✓
Recommended when spring charging motor is used.	30	C	✓
	48	D	✓
	60	E	✓
	110 ... 120	F	✓
	120 ... 127	G	✓
	220 ... 240	H	✓
	240 ... 250	J	✓
Closing coil (CC) and remote reset magnet (RR) in addition	24	K	✓
	110	L	✓
	220	M	✓
1st auxiliary release, shunt release (ST)			
Type	U_s V AC/DC		
Without 1st auxiliary release	--	0	None
Shunt release (ST)	24	1	✓
	30	2	✓
	48	3	✓
	60	4	✓
	110 ... 120	5	✓
	120 ... 127	6	✓
	220 ... 240	7	✓
	240 ... 250	8	✓
2nd auxiliary release: Undervoltage release or 2nd shunt release (UVR / ST2)			
Type	U_s V AC/DC		
Without 2nd auxiliary release	--	A	None
Undervoltage release (UVR)	24	B	✓
	30	C	✓
	48	D	✓
	60	E	✓
	110 ... 120	F	✓
	120 ... 127	G	✓
	220 ... 240	H	✓
	240 ... 250	J	✓
	380 ... 400	K	✓
	415 ... 440	L	✓
Undervoltage release (UVR), delayable with external time-delay device Scope of supply: UVR + time-delay device	24 ... 30	M	✓
	110 ... 127	N	✓
	220 ... 250	P	✓
2nd shunt release (ST2)	24	Q	✓
	30	R	✓
	48	S	✓
	60	T	✓
	110 ... 120	U	✓
	120 ... 127	V	✓
	220 ... 240	W	✓
	240 ... 250	X	✓

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z
□□□ +...+...

Additional price

Rating plugs

Type/conditions	For ETU	Rated current I_n				Additional price
Only one module is possible per circuit breaker. As standard, the Electronic Trip Units are equipped with a rating plug for setting the rated current I_n, which is equal to the maximum rated circuit breaker current ($I_{n\,max}$). To downrate the circuit breaker, a rated current smaller than $I_{n\,max}$ is selected for the rating plug by means of a Z option. Other functions can also be activated using rating plugs (L = OFF or Rc protection).						
Rating plugs for setting (< $I_{n\,max}$) the rated current I_n.	All	400	**B**	**0**	**4**	--
		630	**B**	**0**	**6**	--
		800	**B**	**0**	**8**	--
		1000	**B**	**1**	**0**	--
Rating plug with overload protection L = OFF and for setting (≤ $I_{n\,max}$) of rated current I_n.	Only for ETUs of the 6-series	400	**L**	**0**	**4**	--
		630	**L**	**0**	**6**	--
		800	**L**	**0**	**8**	--
		1000	**L**	**1**	**0**	--
		1250	**L**	**1**	**2**	--
Rc rating plug for ETU660, for enabling the residual current protection function and for setting (≤ $I_{n\,max}$) of rated current I_n. The residual current function is only possible with the metering function MF Advanced.	For ETU660 only	400	**G**	**0**	**4**	--
		630	**G**	**0**	**6**	--
		800	**G**	**0**	**8**	--
		1250	**G**	**1**	**2**	--

CB bus modules - communication modules

Conditions	Communication module	Protocol				
Contain the respective communication module. Up to 2 different communication modules can be used at the same time; when using a digital I/O module IOM040 (K56), only 1 communication module can be used. Can only be used with ETUs of the 6-series.	COM040[1)]	PROFIBUS	**F**	**0**	**2**	✓
	COM041[1)]	PROFINET	**F**	**0**	**3**	✓
	COM043	Modbus TCP	**F**	**1**	**1**	✓
	COM042	Modbus RTU	**F**	**1**	**2**	✓

CB bus modules - I/O modules internal

Conditions	Type	Version				
I/O module for 24 V DC with 2 inputs and 2 outputs with a maximum switching current per contact of 2 A at 24 V DC. When using a digital I/O module IOM040 (K56), only 1 communication module can be used. Can only be used with ETUs of the 6-series and communications interface selection.	Digital I/O module IOM040	2 inputs and 2 outputs	**K**	**5**	**6**	✓

Breaker Connect module

Conditions	Type	Version				
When a circuit breaker with a communications interface is ordered, a Breaker Connect module for external 24 V DC power supply of the electronic components is also supplied ready installed. By means of this Z option, the Breaker Connect module for 24 V DC is replaced by a Breaker Connect module for 110-240 V AC/DC.	Breaker Connect modules	110 - 240 V AC/DC	**F**	**2**	**6**	--

[1)] Availability scheduled for 1st quarter 2019

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Options

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

			3WL....-.....-....-Z □□□ +...+...	Additional price
Auxiliary / signaling switches for 24 V DC digital signals for extremely low currents				
Conditions	Type	Version		
Auxiliary and signaling switches for currents > 100 mA and up to 400 V AC are installed as standard. For currents < 100 mA for PLC connections, these auxiliary and signaling switches can be replaced. The auxiliary/signaling switches for 24 V DC digital signals are designed for a - smallest load above 1 mA at 5 V DC and a - maximum breaking capacity of 100 mA at 24 V DC.	Ready-to-close signaling	1 CO digital	**K 5 0**	✓
	Auxiliary current switch ON / OFF AUX	4 CO digital	**K 5 1**	✓
	Auxiliary current switch ON / OFF AUX	2 CO standard + 2 CO digital	**K 5 2**	✓
	Tripped signaling switch S24	1 CO digital	**K 5 3**	✓
	Spring charged signaling switch S21 Only in combination with a spring charging motor.	1 CO digital	**K 5 4**	✓
	Position signaling switches PSS only with withdrawable versions[1)]	6 CO; 2x connected, 2x test and 2x disconnected.	**K 5 5**	✓
Mechanical operating cycles counter				
Conditions	Type	Version		
Mechanical operating cycles counter only possible in combination with a spring charging motor.	Mechanical operating cycles counter	5 digits	**C 0 1**	✓
Door sealing frame IP30				
Conditions	Type	Version		
For fixed-mounted and withdrawable breaker versions. Can only be used up to IP3X degree of protection. For IP4X and higher, you must order the protective cover IP54 3VW9011-0AP03 or 3VW9011-0AP13.	Door sealing frame	IP3x	**T 3 0**	✓
Locking devices (for fixed-mounted breakers and withdrawable breakers)				
Conditions	Variant	Version		
Locking devices in OFF position to prevent unauthorized activation, in the operator panel (safe OFF), fulfills the conditions for a supply disconnecting (isolating) device acc. to EN 60204-1	Cylinder lock	Ronis	**S 0 8**	✓
	Padlock 4 mm	Plastic for no more than 3 locks	**S 2 2**	✓
	Padlock 7 mm	Metal for no more than 1 lock	**S 2 3**	✓
	Padlock 8 mm	Metal for no more than 2 locks	**S 0 7**	✓
Padlockable protective cover ON and/or OFF on the operator panel	Padlock 4 mm	Plastic for no more than 3 locks	**S 4 2**	✓
	Padlock 7 mm	Metal for no more than 1 lock	**S 4 3**	✓
	Padlock 8 mm	Metal for no more than 2 locks	**S 4 4**	✓
Protective cover ON/OFF to protect against unintended actuation on the operator panel, cannot be locked.	Protective cover		**S 4 1**	✓

[1)] Can be used not only when guide frame is ordered separately, but also with complete order (breaker + guide frame).

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z
□□□ **+...+...**

Additional price

Conditions	Variant	Version					
Locking devices (for withdrawable version) [1]							
Locking device against movement of the withdrawable circuit breaker; Safety lock for mounting on the circuit breaker	Cylinder lock	Ronis	**R**	**7**	**8**		✓
	Padlock 8 mm	For no more than 3 locks	**R**	**6**	**5**		✓
Locking mechanism to prevent movement of the withdrawable circuit breaker in disconnected position. Supplement to R78 and/or R65. Only possible when using R78 and/or R65.	Locking mechanism		**R**	**7**	**9**		✓
Mounting options: Modification of the side wall of the fixed-mounted circuit breaker for mechanical transmission of switch position [1] [2]							
Pre-installed mounting support standard (circuit breaker feet) for mounting the fixed breaker on the floor	Fixed breaker, Floor fixation	Mounting support, standard	**A**	**0**	**7**		✓
Pre-installed extension kit, for mechanical transmission of switch position on circuit breaker side panel; allows attachment of	Fixed breaker, Floor fixation	Mounting support extended [3]	**S**	**5**	**6**		✓
	Fixed breaker, Rear fixation on mounting plate	Side panel extended	**S**	**5**	**7**		✓
• Fixation for external auxiliary switches AUX 15 CO (3VW9011-0AG15)							
• Locking mechanism for control cabinet door, direct (for 3VW9011-0BB10)							
• Locking mechanism for control cabinet door, Bowden cable (for 3VW9011-0BB16)							
• Mechanical interlocking to 3WL/3VA (for 3VW9011-0BB21)							

1) Can be used not only when guide frame is ordered separately, but also with complete order (breaker + guide frame).

2) These functionalities can be applied directly to the frame of the withdrawable circuit breaker, without any modification of the side panel.

3) Not possible in connection with or as an alternative to the mounting support standard (A07).

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Selection and ordering data

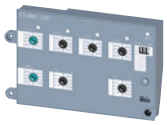
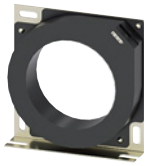
			SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Guide frames for ordering separately without circuit breakers[1]								
Description	Number of poles	Connection type						
Guide frames without breakers up to 1250 A 	3-pole	Rear vertical		**3VW8112-0AA01**		1	1 unit	1CB
	3-pole	Rear horizontal		**3VW8112-0AB01**		1	1 unit	1CB
	3-pole	4 x 240 mm^2 Cu/Al cable connection, for cable lugs		**3VW8112-0AD01**		1	1 unit	1CB
	3-pole	Front connection bars, extended		**3VW8112-0AE01**		1	1 unit	1CB
	4-pole	Rear vertical		**3VW8112-0BA01**		1	1 unit	1CB
	4-pole	Rear horizontal		**3VW8112-0BB01**		1	1 unit	1CB
	4-pole	4 x 240 mm^2 Cu/Al cable connection, for cable lugs		**3VW8112-0BD01**		1	1 unit	1CB
	4-pole	Front connection bars, extended		**3VW8112-0BE01**		1	1 unit	1CB

[1] All CB bus modules for communication COM04x / IOM300 / Breaker Connect module, as well as COMPSS signaling switches are configured without frames in the withdrawable breaker and defined there by means of Z options and included with the switching device. PSS Standard is always included in the frame and can be changed to an electronics-capable signal by means of a Z option.

			3VW8....-.....-....-Z ☐☐☐ **+...+...**	Additional price
Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).				
Locking devices (for guide frame)				
Description	Variant	Version		
Locking device to prevent movement of the withdrawable circuit breaker	Cylinder lock	Ronis	**R 7 8**	✓
Safety lock for mounting on the circuit breaker	Padlock 8 mm	For no more than 3 locks	**R 6 5**	✓
Locking mechanisms to prevent movement of the withdrawable circuit breaker in disconnected position. Supplement to R78 and/or R65. Only possible when using R78 or R65.	Locking mechanism		**R 7 9**	✓
Auxiliary / signaling switches for 24 V DC digital signals for extremely low				
Conditions	Type	Version		
Auxiliary and signaling switches for currents > 100 mA and up to 400 V AC are installed as standard. For currents < 100 mA for PLC connections, these auxiliary and signaling switches can be modified. The auxiliary/signaling switches for 24 V DC digital signals are designed for a - smallest load above 1 mA at 5 V DC and a - maximum breaking capacity of 100 mA at 24 V DC.	Position signaling switch PSS 24V digital	6 CO; 2 x connected, 2 x test and 2 x disconnected	**K 5 5**	✓

Minimum order quantity (PS) or a multiple thereof can be ordered.

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				SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Electronic Trip Units (ETU)									
	Type	Protection function/ version	Expansion for communications/ metering function/ enhanced protection functions possible						
	ETU320	LIN with rotary coding switches	No		**3VW9011-5AA00**		1	1 unit	1CB
	ETU350	LSIN with rotary coding switches	No		**3VW9012-5AA00**		1	1 unit	1CB
	ETU360	LSING with rotary coding switches	No		**3VW9012-7AA00**		1	1 unit	1CB
	ETU650	LSIN with display	Yes		**3VW9017-5AA00**		1	1 unit	1CB
	ETU660	LSING with display	Yes		**3VW9017-7AA00**		1	1 unit	1CB
Metering function for ETU650 or ETU660									
	Description	Protection function / version							
	Metering function	MF Basic			**3VW9011-0AT01**		1	1 unit	1CB
		MF Advanced			**3VW9011-0AT04**		1	1 unit	1CB
	Set of cables for voltage tap for MF	For 4-pole circuit breakers with neutral right (positioned at top or bottom)			**3VW9011-0AT08**		1	1 unit	1CB
		For 3-pole circuit breakers; positioned at top			**3VW9011-0AT72**		1	1 unit	1CB
		For 3-pole circuit breakers; positioned at bottom			**3VW9011-0AT73**		1	1 unit	1CB
		For 4-pole circuit breakers; positioned at top; neutral left			**3VW9011-0AT75**		1	1 unit	1CB
		For 4-pole circuit breakers; positioned at bottom; neutral left			**3VW9011-0AT76**		1	1 unit	1CB
Rogowski CT solo external neutral									
	Description	Can be used for ETU							
	For 3-pole circuit breakers only	ETU320, ETU350, ETU360 / ETU650, ETU660			**3VW9011-0AA30**		1	1 unit	1CB
CT external for grounded transformer star point									
	Description	Can be used for ETU							
	G_{ret} = Ground return 100 A	ETU660			**3VW9011-0GF30**		1	1 unit	1CB
	G_{ret} = Ground return 250 A	ETU660			**3VW9011-0GF31**		1	1 unit	1CB
Summation current transformer external Rc-CT for residual current measurement									
	Description	Can be used for ETU							
	For external residual current measurement	ETU660 Only with MF Advanced metering function and Rc rating plug			**3VW9011-0RC30**		1	1 unit	1CB

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Accessories and spare parts

Rating plugs



Only one module is possible per circuit breaker.

As standard, the Electronic Trip Units are equipped with a rating plug for setting the rated current I_n, which is equal to the maximum rated circuit breaker current (< $I_{n\,max}$). The rated current of the selected rating plug must be smaller than or equal to $I_{n\,max}$. To downrate the circuit breaker, a rated current smaller than $I_{n\,max}$ is selected for the rating plug by means of a Z option. Other functions can also be activated using rating plugs (L = OFF or Rc protection).

Description	For ETU	Rated current I_n A	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Rating plugs for setting (< $I_{n\,max}$) the rated current I_n.	All	400		**3VW9011-0AA53**		1	1 unit	1CB
		630		**3VW9011-0AA55**		1	1 unit	1CB
		800		**3VW9011-0AA56**		1	1 unit	1CB
		1000		**3VW9011-0AA57**		1	1 unit	1CB
		1250		**3VW9011-0AA58**		1	1 unit	1CB
Rating plug with overload protection L = OFF and for setting (< $I_{n\,max}$) the rated current I_n.	Only for ETUs of the 6-series	400		**3VW9011-0LF53**		1	1 unit	1CB
		630		**3VW9011-0LF55**		1	1 unit	1CB
		800		**3VW9011-0LF56**		1	1 unit	1CB
		1000		**3VW9011-0LF57**		1	1 unit	1CB
		1250		**3VW9011-0LF58**		1	1 unit	1CB
Rating plug Rc for ETU660, for enabling the residual current protection function and setting (< $I_{n\,max}$) the rated current I_n. The residual current function is only possible with the metering function MF Advanced.	For ETU660 only	400		**3VW9011-0RC53**		1	1 unit	1CB
		630		**3VW9011-0RC55**		1	1 unit	1CB
		800		**3VW9011-0RC56**		1	1 unit	1CB
		1250		**3VW9011-0RC58**		1	1 unit	1CB

Remote reset magnet for tripped signaling



Description	Can be used for ETU	Version	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Remote reset magnet (RR) for resetting the circuit breaker after tripping as a result of overcurrent conditions	All	24 V DC	**3VW9011-0AK03**		1	1 unit	1CB
	All	110 V AC/DC	**3VW9011-0AK05**		1	1 unit	1CB
	All	250 V AC/DC	**3VW9011-0AK06**		1	1 unit	1CB

Replacement battery for ETU



Description	Can be used for ETU	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Replacement battery for Electronic Trip Unit	All	**3VW9011-0AT38**		1	1 unit	1CB

CB bus modules - communication modules

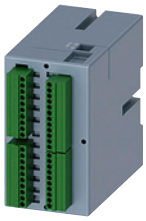


Description	Communication module	Protocol	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
These contain the communication module. Two different communication modules can be used at the same time; when using a digital I/O module IOM040 (K56), only one communication module can be used. Can only be used with ETUs of the 6-series and require a Breaker Connect module for connection to the circuit breaker. This can also be configured directly on the device by means of a Z option if the communications interface to the ETU 6-series is selected.	COM040[1)]	PROFIBUS	**3VW9011-0AT15**		1	1 unit	1CB
	COM041[1)]	PROFINET	**3VW9011-0AT14**		1	1 unit	1CB
	COM043	Modbus TCP	**3VW9011-0AT16**		1	1 unit	1CB
	COM042	Modbus RTU	**3VW9011-0AT17**		1	1 unit	1CB

1) Start of delivery scheduled for 1st quarter 2019

Minimum order quantity (PS) or a multiple thereof can be ordered.

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				SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
CB bus modules - I/O modules external IOM300									
	Description	Type	Version						
	External I/O module for snapping onto DIN rail with 11 inputs and 10 outputs for voltages ≤ 150 V DC and for 250 V AC. Maximum switching current per contact: - 2 A at ≤ 30 V DC - 0.8 A at 50 V DC - 0.2 A at 150 V DC - 4 A at 250 V AC Can only be used with ETUs of the 6-series	Digital I/O module IOM300	11 inputs and 10 outputs		**3VW9011-0AT20**		1	1 unit	1CB
CB bus modules - I/O modules internal IOM040									
	Description	Type	Version						
	I/O module with 2 inputs and 2 outputs for voltages ≤ 150 V DC and for 250 V AC. Maximum switching current per contact: - 2 A at ≤ 30 V DC - 0.8 A at 50 V DC - 0.2 A at 150 V DC - 4 A at 250 V AC When using a digital I/O module IOM040, only 1 communication module can be used. Can only be used with ETUs of the 6-series	Digital I/O module IOM040	2 inputs and 2 outputs		**3VW9011-0AT30**		1	1 unit	1CB
Actuator module COM ACT									
	Description								
	For switching the circuit breaker on/off remotely via communication. Actuation of the closing coil (CC) and the 1st shunt release (ST). Can only be used in combination with a communication module, spring charging motor, closing coil and 1st shunt release. Can only be used with ETUs of the 6-series. Automatically included if the communications interface of the ETU 6-series is selected in the basic circuit breaker configuration.				**3VW9011-0AT10**		1	1 unit	1CB
Breaker Connect module									
	Description	Type	Version						
	External power supply for the electronics components	Breaker Connect module	110 - 240 V AC/DC		**3VW9011-0AT06**		1	1 unit	1CB
			24 - 48 V DC		**3VW9011-0AT07**		1	1 unit	1CB

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Accessories and spare parts

Auxiliary contact signals for communication



Description	Type	Version	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Auxiliary contacts for signaling the readiness to close or position signaling switches of the withdrawable positions. Can only be used in combination with communication module. Can be combined with standard position signaling switches or ready-to-close signaling contacts.	Ready-to-close signaling switch for communication COM RTC	For communications interface		**3VW9011-0AT11**		1	1 unit	1CB
	Position signaling switch for withdrawable breaker COM PSS only Note: Both signaling switches automatically included if the communications interface of the ETU 6-series is selected in the basic circuit breaker (COM PSS only with withdrawable versions).	For communications interface		**3VW9011-0AT12**		1	1 unit	1CB

Test devices and Breaker Data Adapters



Description	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Test device TD310 for the trip test via ETU and tripping solenoid including release. The ETU and the tripping solenoids are activated by means of a battery built into the test device. On activation in the ETU 6-series, the parameters can be configured on the display. Can be used for all ETU 3-series and 6-series.	TD310	**3VW9011-0AT32**		1	1 unit	1CB
Breaker Data Adapter TD410 as gateway for the parameterization of the ETU with powerconfig and the generation of a report of the set parameters with powerservice. Can be used for all ETU 3-series and 6-series.	TD410	**3VW9011-0AT34**		1	1 unit	1CB
Test device and Breaker Data Adapter TD420 as gateway for parameterization of the ETU with powerconfig: - Testing a tripping operation using powerconfig and the powerservice software: - Testing of the basic protection functions LSING - Testing of the enhanced protection functions - Test data storage - Readout of ETU buffer - Generation of a report of the set parameters Can be used for all ETU 3-series and 6-series.	TD420	**3VW9011-0AT33**		1	1 unit	1CB

Auxiliary conductor terminals in push-in version



Description	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
10 auxiliary conductor terminals in push-in version for upgrading fixed-mounted breakers and guide frames The device is always equipped at the factory with the exact number of auxiliary conductor terminals required.	Push-in	**3VW9011-0AB11**		1	10 units	1CB

Minimum order quantity (PS) or a multiple thereof can be ordered.

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Auxiliary / signaling switches



Description	Type	Version	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Auxiliary and signaling switches are each offered in two versions: a) Standard version for currents > 100 mA and up to 400 V AC, - smallest load above 100 mA at 24 V DC and a - maximum breaking capacity of 5 A at 250 V AC. b) Digital version for currents < 100 mA for PLC connections, - smallest load above 1 mA at 5 V DC and a - maximum breaking capacity of 100 mA at 24 V DC. For external auxiliary switches ON/OFF AUX 15 CO, a 3VW9011-0AG1x fixation must be ordered in addition, and for fixed breakers a 3VW9011-0BB5x side-wall modification.	Ready-to-close signaling switch RTC always included in every device	1 CO standard		**3VW9011-0AH01**	1	1 unit		1CB
		1 CO digital		**3VW9011-0AH02**	1	1 unit		1CB
	Auxiliary switch ON/OFF AUX always included in every device	4 CO standard		**3VW9011-0AG01**	1	1 unit		1CB
		4 CO digital		**3VW9011-0AG02**	1	1 unit		1CB
		2 CO standard + 2 CO digital		**3VW9011-0AG03**	1	1 unit		1CB
	External auxiliary switch ON/OFF AUX	15 CO standard		**3VW9011-0AG05**	1	1 unit		1CB
		15 CO digital		**3VW9011-0AG06**	1	1 unit		1CB
	Tripped signaling switch S24 always included in every circuit breaker	1 CO standard		**3VW9011-0AH14**	1	1 unit		1CB
		1 CO digital		**3VW9011-0AH15**	1	1 unit		1CB
	Spring charged signaling switch S21 Only in combination with a spring charging motor and always included in device configuration with MO.	1 CO standard		**3VW9011-0AH10**	1	1 unit		1CB
		1 CO digital		**3VW9011-0AH08**	1	1 unit		1CB
	Position signaling switches PSS only with withdrawable versions. Always included in every frame or withdrawable circuit breaker.	6 CO; 2x connected, 2x test and 2x disconnected; standard		**3VW9011-0AH11**	1	1 unit		1CB
		6 CO; 2x inserted, 2x test and 2x disconnected; digital.		**3VW9011-0AH12**	1	1 unit		1CB

Fixation for external auxiliary switches AUX 15 CO



Description	Version	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Fixation for external auxiliary switches ON/OFF AUX 15 CO. External auxiliary switches ON/OFF AUX 15 CO are to be ordered separately.	Fixed breakers, rear wall or floor fixation (as a basis for this, the Z option S56 (3VW9011-0BB52) or S57 (3VW9011-0BB53) must additionally be used)	**3VW9011-0AG15**		1	1 unit	1CB
	For guide frame	**3VW9011-0AG17**		1	1 unit	1CB

Spring charging motors (MO)



Description	Version	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Spring charging motor for automatic charging of the stored energy operating mechanism	24 ... 30 V AC/DC	**3VW9011-0AF01**		1	1 unit	1CB
	48 ... 60 V AC/DC	**3VW9011-0AF02**		1	1 unit	1CB
	100 ... 130 V AC/DC	**3VW9011-0AF03**		1	1 unit	1CB
	220 ... 250 V AC/DC	**3VW9011-0AF04**		1	1 unit	1CB

Closing coil / shunt release CC / ST



Description	Version	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Closing coil / shunt release (CC / ST)	24 V AC/DC	**3VW9011-0AD01**		1	1 unit	1CB
	30 V AC/DC	**3VW9011-0AD02**		1	1 unit	1CB
	48 V AC/DC	**3VW9011-0AD03**		1	1 unit	1CB
	60 V AC/DC	**3VW9011-0AD04**		1	1 unit	1CB
	110 ... 120 V AC/DC	**3VW9011-0AD05**		1	1 unit	1CB
	120 ... 127 V AC/DC	**3VW9011-0AD06**		1	1 unit	1CB
	220 ... 240 V AC/DC	**3VW9011-0AD07**		1	1 unit	1CB
	240 ... 250 V AC/DC	**3VW9011-0AD08**		1	1 unit	1CB
	380 ... 400 V AC	**3VW9011-0AD17**		1	1 unit	1CB
	415 ... 440 V AC	**3VW9011-0AD18**		1	1 unit	1CB

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Accessories and spare parts

Function test unit TD320 for closing coil / shunt release



Description	Version	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
The TD320 test unit allows the operational availability and functions of the closing coils and shunt releases with a rated operational voltage between 24 V and 250 V (AC and DC) to be tested. The operational availability test is performed cyclically at intervals of 30 seconds. The unit has visual indicators in the form of LEDs on the front in order to display the following states: LED POWER ON LIT: Correct function of the YO/YC test unit LED DEACTIVATION LIT: Power supply failure, wire break LED SHORT-CIRCUIT LIT: Winding short-circuit LED DEACTIVATION and SHORT-CIRCUIT FLASHING: Incorrect power supply LED DEACTIVATION and SHORT-CIRCUIT OFF: Closing coil / shunt release OK	For all closing coils / shunt releases		**3VW9011-0AT31**		1	1 unit	1CB

Undervoltage releases UVR



Description	Version		Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Undervoltage release UVR	24 V AC/DC		**3VW9011-0AE01**		1	1 unit	1CB
	30 V AC/DC		**3VW9011-0AE02**		1	1 unit	1CB
	48 V AC/DC		**3VW9011-0AE03**		1	1 unit	1CB
	60 V AC/DC		**3VW9011-0AE04**		1	1 unit	1CB
	110 ... 120 V AC/DC		**3VW9011-0AE05**		1	1 unit	1CB
	120 ... 127 V AC/DC		**3VW9011-0AE06**		1	1 unit	1CB
	220 ... 240 V AC/DC		**3VW9011-0AE07**		1	1 unit	1CB
	240 ... 250 V AC/DC		**3VW9011-0AE08**		1	1 unit	1CB
	380 ... 400 V AC		**3VW9011-0AE17**		1	1 unit	1CB
	415 ... 440 V AC		**3VW9011-0AE18**		1	1 unit	1CB

External time-delay device for undervoltage release

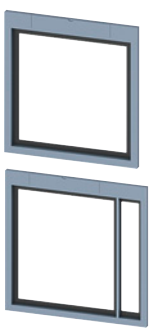
Description	Version		Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
External time-delay device for undervoltage release UVR with adjustable delay time from 0.5 to 3 s. Suitable for mounting onto standard rail.	24 ... 30 V AC/DC		**3VW9011-0AE10**		1	1 unit	1CB
	48 V AC/DC		**3VW9011-0AE11**		1	1 unit	1CB
	60 V AC/DC		**3VW9011-0AE15**		1	1 unit	1CB
	110 ... 127 V AC/DC		**3VW9011-0AE12**		1	1 unit	1CB
	220 ... 250 V AC/DC		**3VW9011-0AE13**		1	1 unit	1CB

Mechanical operating cycles counter



Description	Type	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Mechanical operating cycles counter only possible in combination with a spring charging motor.	Mechanical operating cycles counter	5 digits	**3VW9011-0AH07**		1	1 unit	1CB

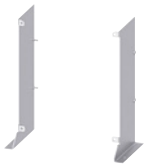
Door sealing frame IP30



Description	Type	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
For fixed-mounted and withdrawable breaker versions. Can only be used up to IP3x degree of protection. For IP4x and higher, you must order the protective cover IP54 3VW9011-0AP03 or 3VW9011-0AP13. Replacement part for Z option T30.	For fixed breakers	IP3x	**3VW9011-0AP01**		1	1 unit	1CB
	For withdrawable breakers	IP3x	**3VW9011-0AP02**		1	1 unit	1CB

Minimum order quantity (PS) or a multiple thereof can be ordered.

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				SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Protective cover IP54									
	Description	Type	Version						
	Protective cover / hood IP54 lockable for fixed breakers and withdrawable breakers, for implementing degrees of protection IP4x and IP54 when installing in switchboard door. Cannot be combined with IP30 door sealing frame	Lock with unique key	IP54		**3VW9011-0AP03**		1	1 unit	1CB
		Lock with standard key	IP54		**3VW9011-0AP13**		1	1 unit	1CB
Support for floor fixation and modification of the side wall of the fixed breaker									
	Description	Type	Version						
	Mounting support standard (circuit breaker feet) for fixing the circuit breaker on the floor.	For fixed breakers only	Floor fixation		**3VW9011-0BB51**		1	1 unit	1CB
	Mounting support extended (circuit breaker feet); kit including mechanical transmission of switch position on circuit breaker side wall.[1] (= option S56)	For fixed breakers only	Floor fixation		**3VW9011-0BB52**		1	1 unit	1CB
	Side wall extension kit; modification for mechanical transmission of switch position on circuit breaker side wall.[1] (= option S57)	For fixed breakers only	Rear fixation on mounting plate		**3VW9011-0BB53**		1	1 unit	1CB

[1] Required for:
- Fixation of external auxiliary switch AUX 15 CO (3VW9011-0AG15)
- Locking mechanism for control cabinet door, direct (for 3VW9011-0BB10)
- Locking mechanism for control cabinet door, Bowden cable (for 3VW9011-0BB16)
- Mechanical interlocking to 3WL/3VA (for 3VW9011-0BB21)

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Locking devices (for fixed breakers and withdrawable breakers)



Description	Type	Version	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Locking devices in OFF position to prevent unauthorized activation, in the operator panel (safe OFF). The disconnector unit fulfills the conditions for a supply disconnecting (isolating) device acc. to EN 60204-1.	Cylinder lock (replacement for S08)	Ronis		**3VW9011-0BA33**		1	1 unit	1CB
	Padlock 4 mm (replacement for S22)	Plastic for no more than 3 locks		**3VW9011-0BA41**		1	1 unit	1CB
	Padlock 7 mm (replacement for S23)	Metal for no more than 1 lock		**3VW9011-0BA42**		1	1 unit	1CB
	Padlock 8 mm (replacement for S07)	Metal for no more than 2 locks		**3VW9011-0BA44**		1	1 unit	1CB
Padlockable protective cover ON and/or OFF on the operator panel	Padlock 4 mm (replacement for S42)	Plastic for no more than 3 locks		**3VW9011-0BA22**		1	1 unit	1CB
	Padlock 7 mm (replacement for S43)	Metal for no more than 1 lock		**3VW9011-0BA23**		1	1 unit	1CB
	Padlock 8 mm (replacement for S44)	Metal for no more than 2 locks		**3VW9011-0BA24**		1	1 unit	1CB
Protective cover ON/OFF to protect against unintentional actuation on the operator panel. Not lockable.	Protective cover (replacement for S41)			**3VW9011-0BA21**		1	1 unit	1CB

Locking devices on guide frame of withdrawable circuit breaker



Description	Type	Version	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Locking device to prevent movement of the withdrawable circuit breaker.	Cylinder lock (replacement for R78)	Ronis		**3VW9011-0BA80**		1	1 unit	1CB
	Padlock 8 mm (replacement for R65)	For no more than 3 locks		**3VW9011-0BA87**		1	1 unit	1CB
Locking mechanism to prevent movement of the withdrawable circuit breaker in disconnected position only. Only possible as a supplement in conjunction with R78 (3VW9011-0BA80) and/or R65 (3VW9011-0BA87).	Locking mechanism (replacement for R79)			**3VW9011-0BA84**		1	1 unit	1CB

Locking mechanism to prevent opening of the control cabinet door in ON position



Description	Type	Version	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Locking mechanism to prevent opening of the control cabinet door in ON position. It additionally prevents the circuit breaker from being closed when the control cabinet door is open.	Fixed-mounted in side wall / or floor fixation[1)]	Direct fixed interlocking		**3VW9011-0BB10**		1	1 unit	1CB
	Withdrawable	Direct fixed interlocking		**3VW9011-0BB14**		1	1 unit	1CB
	Fixed-mounted in side wall / or floor fixation[1)]	Interlocking with Bowden cable		**3VW9011-0BB16**		1	1 unit	1CB
	Withdrawable	Interlocking with Bowden cable		**3VW9011-0BB18**		1	1 unit	1CB

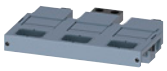
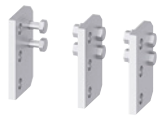
Mechanical interlocking with Bowden cable



Description	Version	Number of poles / quantity	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Mechanical interlocking to 3WL / 3VA (interlocking module with Bowden cable 2 m)	Fixed-mounted[1)]	Rear panel or floor mounting		**3VW9011-0BB21**		1	1 unit	
	Withdrawable	Fixation on guide frame		**3VW9011-0BB22**		1	1 unit	1CB

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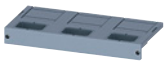
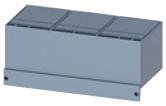
	Description	Version	Number of poles / quantity	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Terminals for main circuit connection[1] (to be ordered separately for top and bottom)									
	Front connection methods, fixed breakers								
	Set of front terminals for main circuit connection	Fixed	3-pole / 3 units		**3VW9011-0AL01**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AL02**		1	1 unit	1CB
	Front-accessible, extended connection methods								
	Set of extended front terminals for main circuit connection for mounting on front terminals for main circuit connection (fixed-mounted)[2]	Fixed	3-pole / 3 units		**3VW9011-0AL77**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AL78**		1	1 unit	1CB
	Set of front-accessible terminals for mounting on flange of guide frame (withdrawable)	Withdrawable	3-pole / 3 units		**3VW9011-0AN01**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AN02**		1	1 unit	1CB
	Rear connection methods								
	Set of rear terminals for main circuit connection[4]; rotatable for horizontal / vertical connection	Fixed	3-pole / 3 units		**3VW9011-0AL32**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AL33**		1	1 unit	1CB
		Withdrawable	3-pole / 3 units		**3VW9011-0AN32**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AN33**		1	1 unit	1CB
	Connection method for Cu/Al cable connection								
	Set of circular conductor terminals 4 x 240 mm² for front cable connection (fixed breakers);[5][6] mounting on front terminals for main circuit connection	Fixed	3-pole / 3 units		**3VW9011-0AL71**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AL72**		1	1 unit	1CB
	Set of circular conductor connection pieces 4 x 240 mm² for cable lugs, rear cable connection (withdrawable breakers)[5] (Mounting on rear vertical terminals for main circuit connection 3VW9011-0AN32/33)	Withdrawable	3-pole / 3 units		**3VW9011-0AN71**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AN72**		1	1 unit	1CB
	Front-accessible broadened connection methods								
	Set of front broadened terminals for main circuit connection (fixed)[3] for mounting directly on front terminals for main circuit connection	Fixed breaker, top	3-pole / 3 units		**3VW9011-0AL73**		1	1 unit	1CB
		Fixed breaker, bottom	3-pole / 3 units		**3VW9011-0AL75**		1	1 unit	
		Fixed	4-pole / 4 units		**3VW9011-0AL74**		1	1 unit	1CB
	Set of front-accessible broadened terminals for main circuit connection (withdrawable) Mounting on front-accessible terminals for main circuit connection (3VW9011-0AN01/02)	Withdrawable	3-pole / 3 units		**3VW9011-0AN73**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AN74**		1	1 unit	1CB
	Rear broadened connection methods, for withdrawable breakers								
	Mounting on rear horizontal terminals for main circuit connection	Withdrawable	3-pole / 3 units		**3VW9011-0AN75**		1	1 unit	1CB
			4-pole / 4 units		**3VW9011-0AN76**		1	1 unit	1CB

[1] Acc. to IEC 60947-2 for 3WL10 up to 1250 A, for 3VA27 up to 1600 A (depending on application conditions)
[2] Including: Insulation plate and standard phase barriers (H = 100 mm) (3VW9723-0WA00 / 3VW9723-0WA10)
[3] Including: Insulation plate and extended phase barriers (H = 200 mm) (3VW9723-0WA01 / 3VW9723-0WA11)
[4] Including: Standard terminal cover for fixed circuit breakers (3VW9723-0WD30 / 3VW9723-0WD40)
[5] Including: Insulation plate and high, extended terminal cover (3VW9723-0WF30 / 3VW9723-0WF40)
[6] Currently only available in breaking capacity classes "M" and "H"; applies for 3VA27 molded case circuit breaker. No restriction with 3WL10.

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Accessories and spare parts

Terminal covers for fixed-mounted circuit breakers[1)]

	Description	Version	Number of poles / quantity	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
 3VW9723-0WD30	Finger-proof terminal cover for front terminals for main circuit connection for fixed breakers	For fixed-mounted version, standard	3-pole / 2 units		**3VW9723-0WD30**		1	1 unit	1CB
			4-pole / 2 units		**3VW9724-0WD40**		1	1 unit	1CB
 3VW9723-0WF30		For fixed breakers, extended	3-pole / 2 units		**3VW9723-0WF30**		1	1 unit	1CB
			4-pole / 2 units		**3VW9724-0WF40**		1	1 unit	1CB

Phase barriers for fixed-mounted breakers[1)]

	Description	Version	Number of poles / quantity	SD d	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	Set of phase barriers for fixed breakers For operating voltages > 440 V AC the use of phase barriers is mandatory; up to 440 V AC their use is optional.	H = 100 mm	3-pole / 4 units		**3VW9723-0WA00**		1	1 unit	1CB
		H = 200 mm	3-pole / 4 units		**3VW9723-0WA01**		1	1 unit	1CB
		H = 100 mm	4-pole / 6 units		**3VW9724-0WA10**		1	1 unit	1CB
		H = 200 mm	4-pole / 6 units		**3VW9724-0WA11**		1	1 unit	1CB

[1)] Necessary isolation measures are always supplied with the corresponding connections and do not need to be ordered separately.

Minimum order quantity (PS) or a multiple thereof can be ordered.

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- for Plant Analytics Services the "Standard Terms and Conditions for Plant Analytics Services – for Customers in Germany"[1)] and
- for standalone software products and software products that are part of another product or project, the "General License Conditions for Software Products for Automation and Drives for Customers with a Seat or Registered Office in Germany"[1)] and
- for other supplies and services, the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1)].
  In the event that such other supplies and services include open-source software, the conditions of which override the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1)], the product will be supplied with a notice detailing the special conditions that apply for the relevant open-source software. This applies accordingly in the case of a reference to other third-party software components.

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For customers with a seat or registered office outside of Germany, the following shall be subordinate to these CSD

- for Plant Analytics Services the "Standard Terms and Conditions for Plant Analytics Services"[1)] (only available in English) and
- for services, the "International Terms & Conditions for Services"[1)] supplemented by the "Software Licensing Conditions"[1)] and
- for the supply of other hardware and software the "International Terms & Conditions for Products"[1)] supplemented by the "Software Licensing Conditions"[1)].

1.3 For customers with framework agreements

To the extent that our products and services are covered by an existing framework agreement, the conditions there apply instead of this CSD.

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The prices are in € (euros) ex works, excluding packaging.

The sales tax (value added tax) is not included in the prices. It shall be debited separately at the respective rate according to the applicable legal regulations.

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To compensate fluctuating prices of raw materials (for example silver, copper, aluminum, lead, gold, dysprosium and neodymium), surcharges are calculated on a daily basis for products containing these raw materials using the metal factor. A surcharge for the particular raw material is added to the price of a product if the basic quotations for this raw material are exceeded.

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An exact explanation of the metal factor can be found at: www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

The surcharge will be calculated (except in the case of dysprosium and neodymium) on the basis of the official price on the day prior to receipt of the order or prior to the release order for calculation of the surcharge.

In the event of placement of an order, the relevant three-month average price from the quarter prior to order receipt or the release order shall be used with a one-month buffer to calculate the dysprosium and neodymium surcharge ("rare earths") (you will find details in the aforementioned explanation of the metal factor).

3. Additional terms and conditions

All dimensions are in mm. In Germany, according to the German law on units in metrology, data in inches only apply to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the corresponding pages of this catalog - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

[1)] You can download the text of the Siemens AG terms and conditions of trade at www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

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4. Export regulations

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