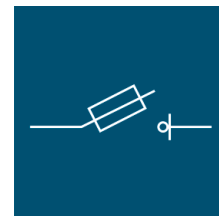# SIEMENS
Ingenuity for life

3NP1 fuse switch disconnectors

Integrated safety for users and systems

Fuse switch disconnectors are used for occasional switching of a load and reliably provide for isolation of the feeder unit. They protect the system from short circuit and overload through the selection of fuses in LV HRC design. In everyday use, they are mostly deployed as main or repair switches.

The 3NP1 fuse switch disconnector is available in five sizes up to 630 A in 1-pole, 3-pole, 4-pole versions. The devices are modular in design, and by means of accessories, for example, they can be combined into 2-pole switches. They can be adapted to any application, thanks to the comprehensive range of accessories.
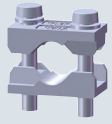
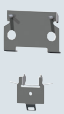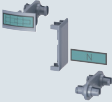|	Rated current I_n	Fuse LV HRC	Article number	Additional versions	
Switches for surface mounting [1]					
	100 [2]	000	3 N P 1 1 2 ☐ - 1 C A ☐ ☐	☐ ↓ **Number of poles**	☐ ↓ **Connection**
	160	00	3 N P 1 1 3 ☐ - 1 C A ☐ ☐	[1] 1-pole	[1] Flat terminal, size 00 to 3
	250	1	3 N P 1 1 4 ☐ - 1 D A ☐ ☐	[3] 3-pole	[2] Box terminals, all sizes
	400	2	3 N P 1 1 5 ☐ - 1 D A ☐ ☐	[4] 4-pole	
	630	3	3 N P 1 1 6 ☐ - 1 D A ☐ ☐		
Switches for mounting on 8US 60 mm busbar systems					
	100 [2]	000	3 N P 1 1 2 ☐ - 1 B C ☐ ☐	☐ ↓	☐ ↓
	160	00	3 N P 1 1 3 ☐ - 1 B C ☐ ☐	**Number of poles**	**Fuse monitoring** [3]
	250	1	3 N P 1 1 4 ☐ - 1 B C ☐ ☐	[3] 3-pole [4]	[0] without
	400	2	3 N P 1 1 5 ☐ - 1 B C ☐ ☐	[4] 4-pole [4]	[1] Electromechanical MFM [2] Electronic EFM10
	630	3	3 N P 1 1 6 ☐ - 1 B C ☐ ☐		[3] Electronic EFM20 [4] Electronic EFM15

For prices and the complete offering, see Catalog LV10, Chapter 7

Notes:

[1] Mounting onto standard mounting rail is possible with accessories – it can be done for size 000 on one rail, for size 00 and 1 between 2 rails with 125/150 mm clearance.

[2] Switches for size 000 fuses can be loaded at up to 160 A if retrofitted with 3NP1923-1BD00 feeder terminals.

[3] Fuse monitoring:
MFM available for size 00 to 3 3-pole / EFM10 and EFM20 available for all sizes 3-pole / EFM15 available for all sizes 1- and 3-pole

[4] 1-pole 3NP1 for mounting on a busbar are possible through combination of a 1-pole 3NP1 for surface mounting and the corresponding assembly kit – see accessories on the rear

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Product	Version	Article number	Additional versions	
Saddle terminal for 3NP1 with flat terminal				
	for size 00	3 N P 1 9 3 ☐ - 1 B A 0 0	☐ ↓ Quantity	
	for size 1	3 N P 1 9 4 ☐ - 1 B A 0 0	1 1 terminal per pack for 1-pole 3NP1	
	for size 2	3 N P 1 9 5 ☐ - 1 B A 0 0	3 3 terminals per pack for 3-pole 3NP1	
	for size 3	3 N P 1 9 6 ☐ - 1 B A 0 0		
Prism terminal for 3NP1 with flat terminal				
	for size 00	3 N P 1 9 3 ☐ - 1 B B ☐ 0	☐ ↓ Version	☐ ↓ Quantity
	for size 1	3 N P 1 9 4 ☐ - 1 B B ☐ 0	1 Single terminal	1 1 terminal per pack for 1-pole 3NP1
	for size 2	3 N P 1 9 5 ☐ - 1 B B ☐ 0	2 Double terminal (only size 1 to 3)	3 3 terminals per pack for 1-pole 3NP1
	for size 3	3 N P 1 9 6 ☐ - 1 B B ☐ 0		
Triple terminal				
	for size 00 and 000 with box terminal	3 N P 1 9 2 ☐ - 1 B E 2 0	☐ ↓ Quantity	
	for size 00 for flat connection	3 N P 1 9 3 ☐ - 1 B E 1 0	1 1 terminal per pack for 1-pole 3NP1 3 3 terminals per pack for 3-pole 3NP1	
Feeder terminal				
	for size 000	3 N P 1 9 2 ☐ - 1 B D 0 0	☐ ↓ Quantity 1 1 terminal per pack for 1-pole 3NP1 3 3 terminals per pack for 3-pole 3NP1	
Auxiliary switch 1 changeover contact				
	for size 000	3 N P 1 9 2 0 - 0 F ☐ 0 0	☐ ↓ Version	
	for size 00	3 N P 1 9 3 0 - 0 F ☐ 0 0	A Standard	
	for size 1 to 3	3 N P 1 9 4 0 - 0 F ☐ 0 0	B Solid-state compatible	
Isolation link for 4-pole applications – leading switching on / lagging switching off				
	for size 000	3 N P 1 9 2 4 - 1 M A 2 0		
	for size 00	3 N P 1 9 3 4 - 1 M A 2 0		
	for size 1	3 N P 1 9 4 4 - 1 M A 2 0		
	for size 2	3 N P 1 9 5 4 - 1 M A 2 0		
	for size 3	3 N P 1 9 6 4 - 1 M A 2 0		
Assembly kit for mounting onto standard mounting rail				
	for size 000	3 N P 1 9 2 ☐ - 1 E A 0 0	☐ ↓ Version	For size 00, the 3-pole version can also be used for 4-pole 3NP1,
	for size 00	3 N P 1 9 3 ☐ - 1 E B 0 0	1 for 1-pole 3NP1 3 for 3-pole 3NP1	for size 1 the 3-pole version can be used for 1-, 3- and 4-pole 3NP1.
	for size 1	3 N P 1 9 4 3 - 1 E B 0 0	4 for 4-pole 3NP1	
Assembly kit for mechanical connection of two 3NP1 for surface mounting to create 2- or 4-pole versions				
	for size 000	3 N P 1 9 2 1 - 1 E C 0 0		
	for size 00	3 N P 1 9 3 1 - 1 E C 0 0		
	for size 1 to 3	3 N P 1 9 4 1 - 1 E C 0 0		
Assembly kit for mounting of a 1-pole 3NP1 with box terminal on a 60 mm busbar system				
	for size 000	3 N P 1 9 2 1 - 1 E E 1 0		
	for size 00	3 N P 1 9 3 1 - 1 E E 1 0		
Locking device for retrofitting a locking option with a padlock (contains 10 units)				
	for all sizes	3 N P 1 9 0 0 - 1 H A 0 0	only necessary for 3-pole 3NP1	

All 3NP1 fuse switch disconnectors are compliant with the IEC /EN 60947-1 a nd IEC/EN 60947-3 standards.
For prices and the complete offering, see Catalog LV10, Chapter 7