

SIMOVERT MASTERDRIVES Vector Control 6SE70 Compact- and chassis units

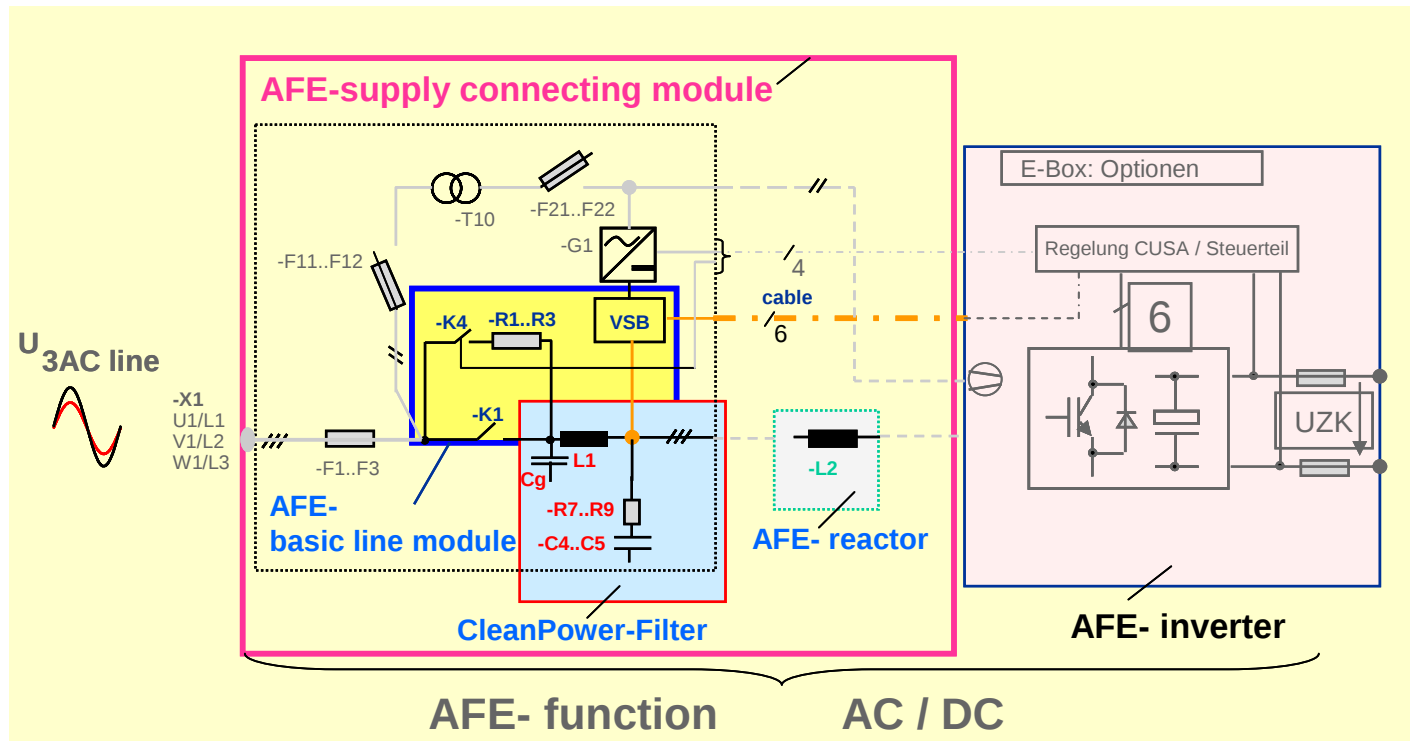
Self-commutated rectifier / regenerative units Active Front End AFE

The built-in version of Masterdrives AFE realized with the cabinet module 6SE71.... 2NA0, so called AFE- supply connecting module, is now extended with a new modular compact design.

It is consisting of four cernel function blocks: **AFE-inverter**, **AFE-reactor**, **AFE-basic mains module** and **CleanPower-Filter** up to type power rating 315kW at 400V. With that design customer can realize the AFE-function more flexible and optimized for its own value-adding. ("OEM-solution")

Figure 1: Shows an overview of the whole AFE-function (rectifying and controlling line voltage), realized with the new modular design, or, as before, with the AFE-supply connecting module, including all needed components, like fuses or auxilliary supply.

Figure 2: Shows the AFE- basic mains module together with CleanPower-Filter mounted .

**Figure 1:**

AFE-function with AFE supply connecting module, or, alternative, with the new modular design: AFE- basic mains module, AFE- reactor and CleanPower-Filter.

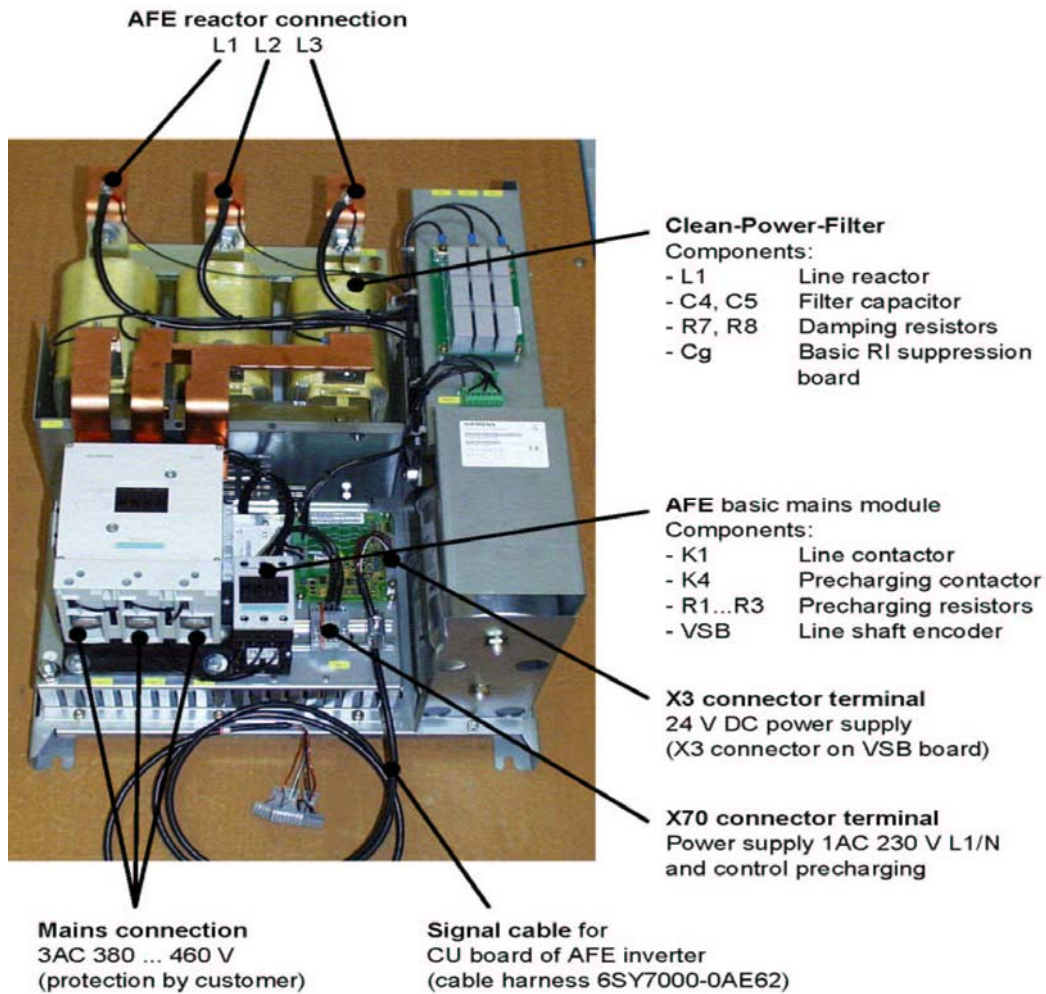


Figure 2: AFE-basic mains module mounted together with CleanPower-Filter

SIMOVERT MASTERDRIVES Vector Control

6SE70 Compact- and Chassis Units

Self-commutated rectifier / regenerative Active Front End AFE

Selection- and ordering data

Rated rectifier / regenerative output at $\cos\phi = 1$ and 400V supply voltage	Type designation power	Shorttime rectifier / regenerative output at $\cos\phi = 1$ and 400V supply voltage	Rated input current 3AC from/to supply	Base load input current 3AC from/to supply	Shorttime input current 3AC from/to supply	AFE- inverter with CUSA control board 6SE7090-0XX84-0BJ0	Power losses	Dimensions Unit measurements	Dimension drawing, see Section 7	Weight approx.	Cooling air requirement	Sound pressure level with standard protection degree IP20/IP00 50Hz db (A)
Prat	Ptyp	Pmax	Irat	IG	Imax	Order No.	Pv	WxHxD	Nr.	kg	m3/s	
kW	kW	kW	A	A	A		kW	mm				

Supply voltage 3 AC 380V -20% to 460V +5%

400V

6,8	4	11	10,2	9,2	16,3	6SE7021-0EA81	0,14	90 x 425 x 350	6	8	0,009	60
9	5,5	14	13,2	11,9	21,1	6SE7021-3EB81	0,18	135 x 425 x 350	6	12	0,022	60
12	7,5	19	17,5	15,8	28,0	6SE7021-8EB81	0,24	135 x 425 x 350	6	12	0,022	60
17	11	27	25,5	23,0	40,8	6SE7022-6EC81	0,34	180 x 600 x 350	6	24	0,028	60
23	15	37	34	31	54	6SE7023-4EC81	0,46	180 x 600 x 350	6	24	0,028	60
32	22	51	47	42	75	6SE7024-7ED81	0,63	270 x 600 x 350	6	35	0,054	65
40	30	63	59	53	94	6SE7026-0ED81	0,79	270 x 600 x 350	6	35	0,054	65
49	37	78	72	65	115	6SE7027-2ED81	0,98	270 x 600 x 350	6	35	0,054	65
63	45	100	92	83	147	6SE7031-0EE80	1,06	270 x 1050 x 365	8	55	0,10	69
85	55	135	124	112	198	6SE7031-2EF80	1,44	360 x 1050 x 365	8	65	0,14	70
100	75	159	146	131	234	6SE7031-5EF80	1,69	360 x 1050 x 365	8	65	0,14	70
125	90	200	186	167	298	6SE7031-8EF80	2,12	360 x 1050 x 365	8	65	0,14	70
143	110	228	210	189	336	6SE7032-1EG80	2,42	508 x 1450 x 465	8	155	0,31	80
177	132	282	260	234	416	6SE7032-6EG80	3,00	508 x 1450 x 465	8	155	0,31	80
214	160	342	315	284	504	6SE7033-2EG80	3,64	508 x 1450 x 465	8	155	0,41	82
250	200	400	370	333	592	6SE7033-7EG80	4,25	508 x 1450 x 465	8	155	0,41	82
340	250	462	510	459	694	6SE7035-1EJ80	5,78	800 x 1400 x 565	10	250	0,46	79
380	315	517	560	504	762	6SE7036-0EJ80	6,46	800 x 1400 x 565	10	250	0,46	79

SIMOVERT MASTERDRIVES Vector Control 6SE70 Compact- and Chassis Units

Self-commutated rectifier / regenerative Active Front End AFE

Selection- and ordering data

Rated rectifier / regenerative output at $\cos\phi = 1$ and 400V supply voltage	Type designation at power	Shorttime rectifier / regenerative output at $\cos\phi = 1$ und 400V supply voltage	Rated input current 3AC from/to supply	Base load input current 3AC from/to supply	Shorttime input current 3AC from/to supply	AFE- inverter with CUSA control board 6SE7090-0XX84-0BJ0	Power losses	Dimensions Unit measurements	Dimension drawing, see Section 7	Weight approx.	Cooling air requirement	Sound pressure level with standard protection degree IP20/IP00
Prat	Ptyp	Pmax	Irat	IG	Imax	Bestell-Nr.	Pv	WxHxD	Nr.	kg	m3/s	50Hz db (A)
kW	kW	kW	A	A	A		kW	mm				
Supply voltage 3 AC 500V -20% bis 575V +5%												
500V												
51	37	81	61	55	98	6SE7026-1FE80	0,86	270x1050x365	1	55	0,11	70
56	45	90	66	59	106	6SE7026-6FE80	0,95	270x1050x365	1	55	0,11	70
67	55	107	79	71	126	6SE7028-0FF80	1,14	360x1050x365	1	65	0,15	70
92	75	147	108	97	173	6SE7031-1FF80	1,56	360x1050x365	1	65	0,15	81
109	90	174	128	115	205	6SE7031-3FG80	1,85	508x1450x465	1	155	0,33	81
132	110	212	156	140	250	6SE7031-6FG80	2,25	508x1450x465	1	155	0,33	81
164	132	262	192	173	307	6SE7032-0FG80	2,78	508x1450x465	1	155	0,44	83
192	160	307	225	203	360	6SE7032-3FG80	3,26	508x1450x465	1	155	0,44	83

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Selection- and ordering data

Rated rectifier / regenerative output at $\cos\phi = 1$ and 400V supply voltage	Type designation power	Shorttime rectifier / regenerative output at $\cos\phi = 1$ und 400V supply voltage	Rated input current 3AC from/to supply	Base load input current 3AC from/to supply	Shorttime input current 3AC from/to supply	AFE- inverter with CUSA control board 6SE7090-0XX84-0BJ0	Power losses	Dimensions Unit measurements	Dimension drawing, see Section 7	Weight approx.	Cooling air requirement	Sound pressure level with standard protection degree IP20/IP00
Prat	Ptyp	Pmax	Irat	IG	Imax	Bestell-Nr.	Pv	WxHxD	Nr.	kg	m3/s	50Hz db (A)
kW	kW	kW	A	A	A		kW	mm				
Supply voltage 3 AC 660V -20% bis 690V +5%												
690V												
70	55	96	60	54	82	6SE7026-0HF80	1,19	360x1050x365	1	65kg	0,15	70
96	75	131	82	74	112	6SE7028-2HF80	1,63	360x1050x365	1	65kg	0,15	70
114	90	155	97	87	132	6SE7031-0HG80	1,93	508x1450x465	1	155kg	0,32	81
138	110	188	118	106	160	6SE7031-2HG80	2,35	508x1450x465	1	155kg	0,32	81
170	132	231	145	131	197	6SE7031-5HG80	2,89	508x1450x465	1	155kg	0,44	81
200	160	272	171	154	233	6SE7031-7HG80	3,40	508x1450x465	1	155kg	0,44	83
245	200	333	208	187	283	6SE7032-1HG80	4,16	508x1450x465	1	155kg	0,44	83

Power connections --Terminals for sizes A to D -- Lugs for sizes E to G Location: at bottom for AFE-reactor at top for DC-link connection			Auxiliary current requirement for DC 24V Standard version	Auxiliary current requirement for DC 24V Max. version	Auxiliary current requirement for 1-ph. 230V fan for AFE-inverter 50Hz / 60 Hz
Finely stranded	single-/ multi stranded	Retaining bolt			
mm2	mm2		A	A	W
400V					
2,5 to 10	2,5 to 16		2	3	none
2,5 to 10	2,5 to 16		2	3	none
2,5 to 10	2,5 to 16		2	3	none
2,5 to 16	10 to 25		2	3	none
2,5 to 16	10 to 25		2	3	none
2,5 to 35	10 to 25		2	3	0,43 / 0,49
2,5 to 35	10 to 25		2	3	0,43 / 0,49
2,5 to 35	10 to 25		2	3	0,43 / 0,49
	max. 2 x 70	M10	1,5	2	0,43 / 0,49
	max. 2 x 70	M10	1,5	2	0,43 / 0,49
	max. 2 x 70	M10	2	3	0,80 / 1,2
	max. 2 x 70	M10	2	3	0,80 / 1,2
	max. 2 x 150	M12	2,5	4	0,95 / 1,4
	max. 2 x 150	M12	2,5	4	0,95 / 1,4
	max. 2 x 150	M12	2,5	4	0,95 / 1,4
	max. 2 x 150	M12	2,5	4	0,95 / 1,4
	max. 2 x 300	M12	4	6	2,2 / 3,4
	max. 4 x 300	M12	4	6	2,2 / 3,4

Power connections --Terminals for sizes A to D -- Lugs for sizes E to G Location: at bottom for AFE-reactor at top for DC-link connection			Auxiliary current requirement for DC 24V Standard version	Auxiliary current requirement for DC 24V Max. version	Auxiliary current requirement for 1-ph. 230V fan for AFE-inverter 50Hz / 60 Hz
Finely stranded	single-/ multi stranded	Retaining bolt			
mm2	mm2		A	A	W
500V					
	max. 2 x 70	M10	The AFE chassis units 500V and 690V are offered with the line connection module (see system componetes) as standard. The auxiliary power supply 24V DC and 230V AC and the fusing are incorporated in the matching connecting module.		
	max. 2 x 70	M10			
	max. 2 x 70	M10			
	max. 2 x 70	M10			
	max. 2 x 150	M12			
	max. 2 x 150	M12			
	max. 2 x 150	M12			
	max. 2 x 150	M12			

Power connections --Terminals for sizes A to D -- Lugs for sizes E to G Location: at bottom for AFE-reactor at top for DC-link connection			Auxiliary current requirement for DC 24V Standard version	Auxiliary current requirement for DC 24V Max. version	Auxiliary current requirement for 1-ph. 230V fan for AFE-inverter 50Hz / 60 Hz
Finely stranded	single-/ multi stranded	Retaining bolt			
mm2	mm2		A	A	W
690V					
	max. 2 x 70	M10	The AFE chassis units 500V and 690V are offered with the line connection module (see system componentes) as standard. The auxiliary power supply 24V DC and 230V AC and the fusing are incorporated in the matching connecting module.		
	max. 2 x 70	M10			
	max. 2 x 150	M12			
	max. 2 x 150	M12			
	max. 2 x 150	M12			
	max. 2 x 150	M12			
	max. 2 x 150	M12			

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6SE70 Compact- and Chassis Units

System components for self-commutated rectifier / regenerative units

Active Front End AFE

Selection and ordering data

Rated rectifier / regenerative output at cosphi = 1 and 400V supply voltage		AFE- inverter with CUSA control board 6SE7090-0XX84-0BJ0		AFE-function realized with AFE-supply connecting module for size E to G only Documentation: 6SE7080-0CX86-2AA0				Dimensions supply connecting module	Dimensions AFE reactor is supplied loose
Prat kW	Order No.	AFE- supply connecting module	Rated- current A	Power losses Pv W	Weight kg	WxHxD mm	WxHxD mm		
Supply voltage 3 AC 380V -20% bis 460V +5%									
400V									
6,8	6SE7021-0EA81	–	–	–	–	–	–	–	–
9	6SE7021-3EB81	–	–	–	–	–	–	–	–
12	6SE7021-8EB81	–	–	–	–	–	–	–	–
17	6SE7022-6EC81	–	–	–	–	–	–	–	–
23	6SE7023-4EC81	–	–	–	–	–	–	–	–
32	6SE7024-7ED81	–	–	–	–	–	–	–	–
40	6SE7026-0ED81	–	–	–	–	–	–	–	–
49	6SE7027-2ED81	–	–	–	–	–	–	–	–
63	6SE7031-0EE80	6SE7131-0EE83-2NA0	92	500	110	274x1310x408	300x267x177		
85	6SE7031-2EF80	6SE7131-2EF83-2NA0	124	630	160	440x1310x470	355x330x178		
100	6SE7031-5EF80	6SE7131-5EF83-2NA0	146	710	165	440x1310x470	355x330x193		
125	6SE7031-8EF80	6SE7131-8EF83-2NA0	186	860	170	440x1310x470	420x384x204		
143	6SE7032-1EG80	6SE7132-1EG83-2NA0	210	1100	235	580x1339x459	420x384x204		
177	6SE7032-6EG80	6SE7132-6EG83-2NA0	260	1300	240	580x1339x459	420x384x204		
214	6SE7033-2EG80	6SE7133-2EG83-2NA0	315	1500	295	580x1339x459	480x380x376		
250	6SE7033-7EG80	6SE7133-7EG83-2NA0	370	1820	305	580x1339x459	480x380x376		
340	6SE7035-1EJ80	–	–	–	–	–	–		
380	6SE7036-0EJ80	–	–	–	–	–	–		

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Selection and ordering data

Rated rectifier / regenerative output at cosphi = 1 and 400V supply voltage		AFE- inverter with CUSA control board 6SE7090-0XX84-0BJ0		AFE-function realized with AFE-supply connecting module for size E to G only Documentation: 6SE7080-0CX86-2AA0					Dimensions supply connecting module	Dimensions AFE reactor is supplied loose
Prat				AFE- supply connecting module	Rated- current	Power losses Pv	Weight	WxHxD		WxHxD
kW	Order No.			Order No.	A	W	kg	mm		mm
Supply voltage 3 AC 500V -20% bis 575V +5%										
500V										
51	6SE7026-1FE80			6SE7126-1FE83-2NA0	61	410	100	274x1310x408		300x267x212
56	6SE7026-6FE80			6SE7126-6FE83-2NA0	66	440	115	274x1310x408		300x267x212
67	6SE7028-0FF80			6SE7128-0FF83-2NA0	79	560	150	440x1310x470		355x335x220
92	6SE7031-1FF80			6SE7131-1FF83-2NA0	108	710	170	440x1310x470		355x340x282
109	6SE7031-3FG80			6SE7131-3FG83-2NA0	128	830	208	580x1339x459		355x340x288
132	6SE7031-6FG80			6SE7131-6FG83-2NA0	156	930	235	580x1339x459		420x389x312
164	6SE7032-0FG80			6SE7132-0FG83-2NA0	192	1390	245	580x1339x459		420x389x312
192	6SE7032-3FG80			6SE7132-3FG83-2NA0	225	1570	290	580x1339x459		480x380x376

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System components for self-commutated rectifier / regenerative units

Active Front End AFE

Selection and ordering data

Rated rectifier / regenerative output at cosphi = 1 and 400V supply voltage		AFE- inverter with CUSA control board 6SE7090-0XX84-0BJ0		AFE-function realized with AFE-supply connecting module for size E to G only Documentation: 6SE7080-0CX86-2AA0					Dimensions supply connecting module		Dimensions AFE reactor is supplied loose	
Prat				AFE- supply connecting module		Rated- current	Power losses Pv	Weight	WxHxD		WxHxD	
kW		Order No.		Order No.		A	W	kg	mm		mm	
Supply voltage 3 AC 660V -20% bis 690V +5%												
690V												
70		6SE7026-0HF80		6SE7126-0HF83-2NA0		60	600	145	440x1310x470		355x335x220	
96		6SE7028-2HF80		6SE7128-2HF83-2NA0		82	710	170	440x1310x470		355x335x282	
114		6SE7031-0HG80		6SE7131-0HG83-2NA0		97	790	214	580x1339x459		355x340x288	
138		6SE7031-2HG80		6SE7131-2HG83-2NA0		118	1060	235	580x1339x459		420x390x312	
170		6SE7031-5HG80		6SE7131-5HG83-2NA0		145	1240	240	580x1339x459		420x390x312	
200		6SE7031-7HG80		6SE7131-7HG83-2NA0		171	1370	290	580x1339x459		480x380x376	
245		6SE7032-1HG80		6SE7132-1HG83-2NA0		208	1610	300	580x1339x459		480x380x376	

AFE-function realized with the cernel function blocks: AFE-basic mains module , AFE-reactor and CleanPower-Filter for size A to J Documentation: 6SE7080-0CX86-2BA1												
AFE- basic mains module	Rated- current- strom	Weight	WxHxD	AFE- reactor	Rated current/ Pv	Weight	WxHxD	CleanPower- Filter	Rated- current	Weight	WxHxD	
MLFB	A	kg	mm	MLFB	A / Watt	kg	mm	MLFB	A	kg	mm	
6SE7024-7EC83-2NB1	47	5	181x260x179	6SE7021-3ES87-1FG0	13,2 / 17	8	270x250x196	6SE7021-0EB87-1FC0	10,2	16	135x425x350	
6SE7024-7EC83-2NB1	47	5	181x260x179	6SE7021-3ES87-1FG0	13,2 / 23	8	270x250x196	6SE7021-8EB87-1FC0	17,5	18	135x425x350	
6SE7024-7EC83-2NB1	47	5	181x260x179	6SE7022-6ES87-1FG0	25,5 / 30	12	300x250x185	6SE7021-8EB87-1FC0	17,5	18	135x425x350	
6SE7024-7EC83-2NB1	47	5	181x260x179	6SE7022-6ES87-1FG0	25,5 / 43	12	300x250x185	6SE7022-6EC87-1FC0	25,5	30	180x600x350	
6SE7024-7EC83-2NB1	47	5	181x260x179	6SE7024-7ES87-1FG0	47 / 58	20	360x300x185	6SE7023-4EC87-1FC0	34	30	180x600x350	
6SE7024-7EC83-2NB1	47	5	181x260x179	6SE7024-7ES87-1FG0	47 / 80	20	360x300x185	6SE7024-7ED87-1FC0	47	30	270x600x350	
6SE7027-2ED83-2NB1	72	6	235x260x211	6SE7027-2ES87-1FG0	72 / 100	32	380x300x196	6SE7027-2ED87-1FC0	72	50	270x600x350	
6SE7027-2ED83-2NB1	72	6	235x260x211	6SE7027-2ES87-1FG0	72 / 123	32	380x300x196	6SE7027-2ED87-1FC0	72	50	270x600x350	
6SE7031-2ED83-2NB1	124	6	235x260x211	6SE7031-0ES87-1FG1	92 / 320	50	300x267x177	6SE7031-0EB87-1FC5	92	36	270x700x377	
6SE7031-2ED83-2NB1	124	6	235x260x211	6SE7031-2ES87-1FG1	124 / 550	70	355x330x178	6SE7031-2EC87-1FC5	124	47	439x700x377	
6SE7031-8ED83-2NB1	186	8	290x260x235	6SE7031-5ES87-1FG1	146 / 650	75	355x330x193	6SE7031-5EC87-1FC5	146	47	439x700x377	
6SE7031-8ED83-2NB1	186	8	290x260x235	6SE7032-1ES87-1FG1	210 / 775	90	420x384x204	6SE7031-8EC87-1FC5	186	49	439x700x377	
6SE7033-2ED83-2NB1	315	14	354x260x290	6SE7032-1ES87-1FG1	210 / 900	90	420x384x204	6SE7032-1ED87-1FC5	210	50	502x700x377	
6SE7033-2ED83-2NB1	315	14	354x260x290	6SE7032-6ES87-1FG1	260 / 1150	105	420x384x204	6SE7032-6ED87-1FC5	260	55	502x700x377	
6SE7033-2ED83-2NB1	315	14	354x260x290	6SE7033-2ES87-1FG1	315 / 1200	160	480x380x376	6SE7033-2EE87-1FC5	315	65	502x700x377	
6SE7033-7ED83-2NB1	370	16	354x260x290	6SE7033-2ES87-1FG1	370 / 1250	165	480x380x376	6SE7033-7EE87-1FC5	370	70	502x700x377	
6SE7036-0ED83-2NB1	560	16	354x260x290	6SE7036-0ES87-1FG1	560 / 2500	230	540x500x382	6SE7036-0EE87-1FC5	560	78	502x700x377	
6SE7036-0ED83-2NB1	560	16	354x260x290	6SE7036-0ES87-1FG1	560 / 2500	230	540x500x382	6SE7036-0EE87-1FC5	560	78	502x700x377	

AFE-function realized with the cernel function blocks: AFE-basic mains module , AFE-reactor and CleanPower-Filter for size A to J Documentation: 6SE7080-0CX86-2BA1												
AFE- mains module	basic	Rated- current- strom	Weight	WxHxD	AFE- reactor	Rated current/ Pv	Weight	WxHxD	CleanPower- Filter	Rated- current	Weight	WxHxD
MLFB		A	kg	mm	MLFB	A / Watt	kg	mm	MLFB	A	kg	mm
-					-				-			
-					-				-			
-					-				-			
-					-				-			
-					-				-			
-					-				-			
-					-				-			
-					-				-			

AFE-function realized with the cernel function blocks: AFE-basic mains module , AFE-reactor and CleanPower-Filter for size A to J Documentation: 6SE7080-0CX86-2BA1												
AFE- basic mains module	Rated- current- strom	Weigth	WxHxD	AFE- reactor	Rated current/ Pv	Weight	WxHxD	CleanPower- Filter	Rated- current	Weight	WxHxD	
MLFB	A	kg	mm	MLFB	A / Watt	kg	mm	MLFB	A	kg	mm	
-				-				-				
-				-				-				
-				-				-				
-				-				-				
-				-				-				
-				-				-				
-				-				-				

Switch Disconnecter		Switch disconnecter with fuse holders			Fuse switch disconnecter		Semiconductor protection fuses Duty class gR incl. cable protection			Radio-interference suppression filter		Basic interference suppression	
Rated current		Rated current max. fuese size			Rated current max. fuse size		Rated current max. fuse size						
Order No.	A	Order No.	A	size	Order No.	A	size	Order No.	A	size	Order No.	Class	Order No.
3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100		3NE1 813-0	16	(	6SE7021-0ES87-0FB1	A1	6SX7010-0FB10
3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100		3NE1 814-0	20	(	6SE7021-8ES87-0FB1	A1	6SX7010-0FB10
3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100		3NE1 815-0	25	(	6SE7021-8ES87-0FB1	A1	6SX7010-0FB10
3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100		3NE1 803-0	35	(	6SE7023-4ES87-0FB1	A1	6SX7010-0FB10
3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100		3NE1 802-0	40	(	6SE7023-4ES87-0FB1	A1	6SX7010-0FB10
3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100		3NE1 818-0	63	(	6SE7027-2ES87-0FB1	A1	6SX7010-0FB10
3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100		3NE1 820-0	80	(	6SE7027-2ES87-0FB1	A1	6SX7010-0FB10
3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100		3NE1 820-0	80	(	6SE7027-2ES87-0FB1	A1	6SX7010-0FB10
3KA53 30-1EE01	160	3KL52 30-1EB01	125) ¹	00	3NP40 70-0CH01	160		3NE1 021-0	100) ¹	(	6SE7031-2ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA53 30-1EE01	160	3KL55 30-1EB01	250) ¹	0;1;2	3NP42 70-0CH01	250		3NE1 224-0	160) ¹	(	6SE7031-8ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA53 30-1EE01	160	3KL55 30-1EB01	250) ¹	0;1;2	3NP42 70-0CH01	250		3NE1 225-0	200) ¹	(	6SE7031-8ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA55 30-1EE01	250	3KL55 30-1EB01	250) ¹	0;1;2	3NP42 70-0CH01	250		3NE1 227-0	250) ¹	(	6SE7031-8ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA55 30-1EE01	250	3KL55 30-1EB01	250) ¹	0;1;2	3NP42 70-0CH01	250		3NE1 227-0	250) ¹	(	6SE7033-2ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA57 30-1EE01	400	3KL57 30-1EB01	400) ¹	1;2	3NP43 70-0CH01	400		3NE1 230-0	310) ¹	(	6SE7033-2ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA57 30-1EE01	400	3KL57 30-1EB01	400) ¹	1;2	3NP43 70-0CH01	400		3NE1 331-0	350) ¹	(	6SE7033-2ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA57 30-1EE01	400	3KL57 30-1EB01	400) ¹	1;2	3NP43 70-0CH01	400		3NE1 332-0	400) ¹	(	6SE7036-0ES87-0FA1) ²	A1	6SX7010-0FB10) ³
3KA58 30-1EE01	630	3KL61 30-1AB0	630	3	3NP44 70-0CH01	630		3NE1 435-0	560	(	6SE7036-0ES87-0FA1	A1	6SX7010-0FB10) ³
3KA58 30-1EE01	630	3KL61 30-1AB0	630	3	3NP44 70-0CH01	630		3NE1 436-0	630	(	6SE7036-0ES87-0FA1	A1	6SX7010-0FB10) ³

1) Enthalten im
Netzanschl.-Modul

2) Option L00 bei Netzanschl.-
Modul

3) Enthalten im Netzanschl.-
Modul und im CleanPower-
Filter

Switch Disconnecter		Switch disconnecter with fuse holders		Fuse switch disconnecter		Semiconductor protection fuses Duty class gR incl. cable protection		Radio-interference suppression filter		Basic interference suppression	
Rated current		Rated current max. fuese size		Rated current max. fuse size		Rated current max. fuse size					
Order No.	A	Order No.	A size	Order No.	A size	Order No.	A size	Order No.	Class	Order No.	
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul

Switch Disconnecter		Switch disconnecter with fuse holders		Fuse switch disconnecter		Semiconductor protection fuses Duty class gR incl. cable protection		Radio-interference suppression filter		Basic interference suppression	
Rated current		Rated current max. fuese size		Rated current max. fuse size		Rated current max. fuse size					
Order No.	A	Order No.	A size	Order No.	A size	Order No.	A size	Order No.	Class	Order No.	
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul
		Bestandteil Netzanschl.-Modul				Bestandteil Netzanschl.-Modul		Option L00 zu Netzanschl.-Modul		A1	Bestandteil Netzanschl.-Modul