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 .

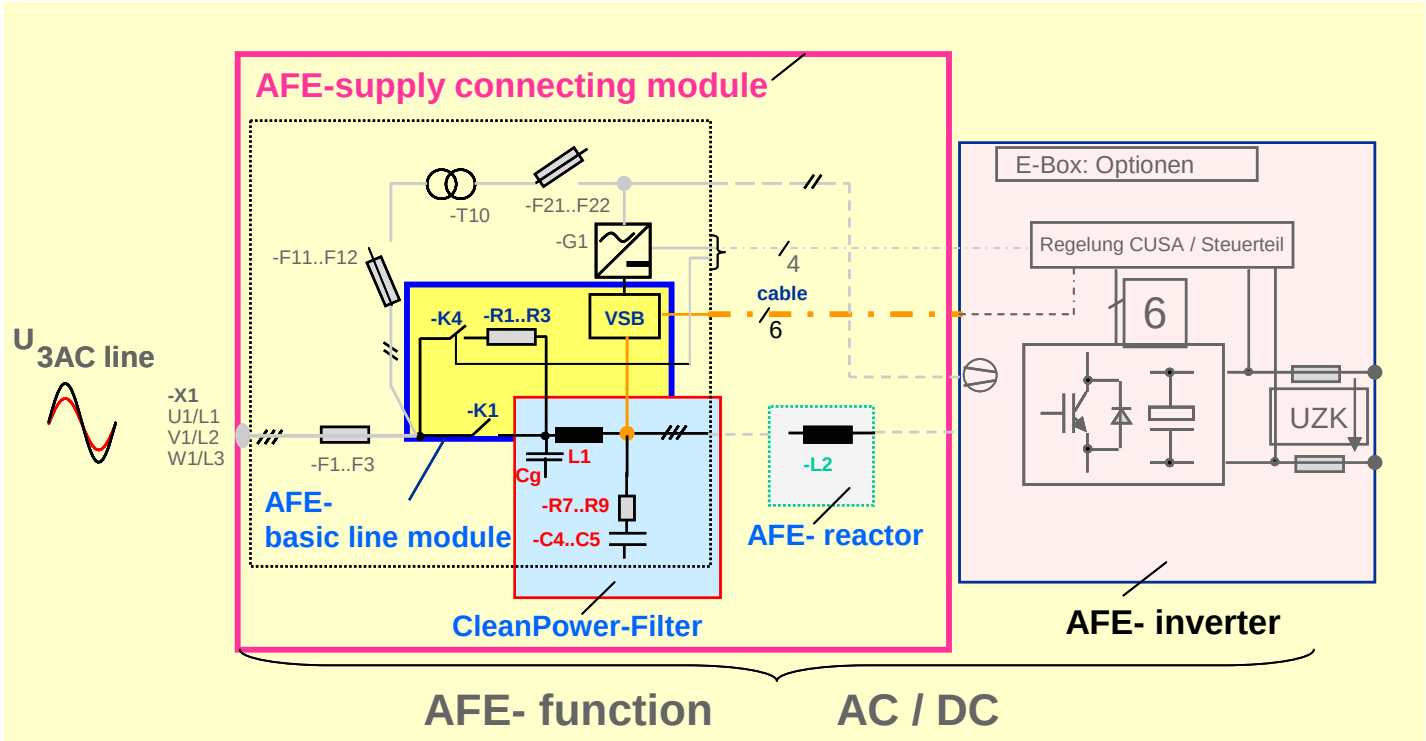


Figure 1:

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

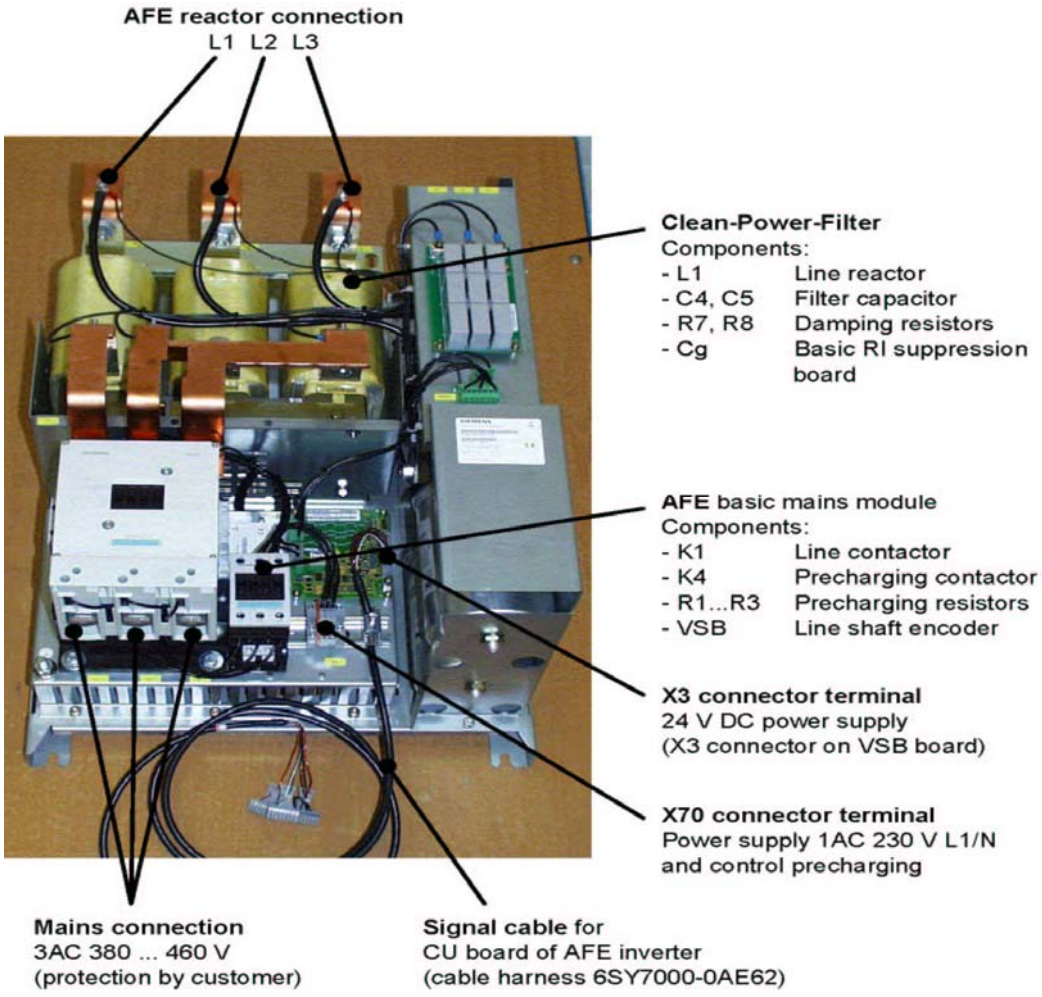


Figure 2: *AFE-basic mains module mounted together with CleanPower-Filter*

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 cosphi = 1 and 400V supply voltage	Type designation power	Shorttime rectifier / regenerative output at cosphi = 1 and 400V supply voltage	Rated input current 3AC from/to supply	Base load input currrent 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		Pv	WxHxD				
kW	kW	kW	A	A	A	Order No.	kW	mm	Nr.	kg	m3/s	50Hz db (A)
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 cosphi = 1 and 400V supply voltage	Type designation power	Shorttime rectifier / regenerative output at cosphi = 1 und 400V supply voltage	Rated input current 3AC from/to supply	Base load input currrent 3AC from/to supply	Shorttime input current 3AC from/to supply	**AFE- inverter** with CUSA board control 6SE7090-0XX84-0BJ0	Power losses	Dimensions Unit measerements	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		Pv	WxHxD				
kW	kW	kW	A	A	A	Bestell-Nr.	kW	mm	Nr.	kg	m3/s	50Hz db (A)
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

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 cosphi = 1 and 400V supply voltage	Type designation power	Shorttime rectifier / regenerative output at cosphi = 1 und 400V supply voltage	Rated input current 3AC from/to supply	Base load input currrent 3AC from/to supply	Shorttime input current 3AC from/to supply	**AFE- inverter** with CUSA board control 6SE7090-0XX84-0BJ0	Power losses	Dimensions Unit measerements	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		Pv	WxHxD				
kW	kW	kW	A	A	A	Bestell-Nr.	kW	mm	Nr.	kg	m3/s	50Hz db (A)
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
2,5to 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 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 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			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 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			

SIMOVERT MASTERDRIVES Vector Control

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		**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 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	–	–	–	–	–	–

SIMOVERT MASTERDRIVES Vector Control

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
		AFE- supply connecting module	Rated-current	Power losses Pv	Weight	WxHxD	WxHxD
Prat							
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

SIMOVERT MASTERDRIVES Vector Control

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		**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	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
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- 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
–				–				–			
–				–				–			
–				–				–			
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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 Disconnector		Switch disconnector with fuse holders			Fuse switch disconnector			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 Disconnector		Switch disconnector with fuse holders			Fuse switch disconnector			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 Disconnector		Switch disconnector with fuse holders			Fuse switch disconnector			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