

SIMOVERT MASTERDRIVES Vector Control

Compact PLUS, Compact and Chassis Units



Recommended system components for converters

Compact PLUS units
Compact and chassis units

Selection and ordering data

Nominal power rating	Converter	Switch disconnectors ²⁾		Switch disconnectors with fuse holders ²⁾		Fuse switch disconnectors ¹⁾²⁾		Circuit-breakers for system and motor protection to IEC 947-4 ³⁾⁴⁾	
		Order No.	Order No.	Rated current A	Order No.	Rated current A	Max. fuse size	Order No.	Rated current range A

Compact PLUS units⁵⁾

Supply voltage 3-ph. 380 V to 480 V AC

400 V

0.55	6SE7011-5EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1CA10	1.8– 2.5
1.1	6SE7013-0EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1FA10	3.5– 5.0
1.5	6SE7015-0EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1HA10	5.5– 8.0
3	6SE7018-0EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1KA10	9.0– 12.5
4	6SE7021-0EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1KA10	9.0– 12.5
5.5	6SE7021-4EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-4AA10	11 – 16
7.5	6SE7022-1EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-4BA10	14 – 20
11	6SE7022-7EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4EA10	22 – 32
15	6SE7023-4EP60	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4FA10	28 – 40

Compact and chassis units

Supply voltage 3-ph. 380 V to 480 V AC

400 V

2.2	6SE7016-1EA61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1HA10	5.5– 8
3	6SE7018-0EA61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1KA10	9 – 12.5
4	6SE7021-0EA61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1KA10	9 – 12.5
5.5	6SE7021-3EB61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-4AA10	11 – 16
7.5	6SE7021-8EB61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-4BA10	14 – 20
11	6SE7022-6EC61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4EA10	22 – 32
15	6SE7023-4EC61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4FA10	28 – 40
18.5	6SE7023-8ED61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4HA10	40 – 50
22	6SE7024-7ED61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1041-4JA10	45 – 63
30	6SE7026-0ED61	3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100	000	3RV1041-4KA10	57 – 75
37	6SE7027-2ED61	3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100	000	3RV1041-4LA10	70 – 90
45	6SE7031-0EE60	3KA53 30-1EE01	160	3KL52 30-1EB01	125	00	3NP40 70-0CA01	160	00	3VF3211-1BU41-0AA0	100 – 125
55	6SE7031-2EF60	3KA53 30-1EE01	160	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF3311-1BX41-0AA0	160 – 200
75	6SE7031-5EF60	3KA53 30-1EE01	160	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF3311-1BX41-0AA0	160 – 200
90	6SE7031-8EF60	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF4211-1BM41-0AA0	200 – 250
110	6SE7032-1EG60	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF5211-1BK41-0AA0	250 – 315
132	6SE7032-6EG60	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP43 70-0CA01	400	1; 2	3VF5211-1BK41-0AA0	250 – 315
160	6SE7033-2EG60	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP43 70-0CA01	400	1; 2	3VF5211-1BM41-0AA0	315 – 400
200	6SE7033-7EG60	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP43 70-0CA01	400	1; 2	3VF6211-1BK44-0AA0	400 – 500
250	6SE7035-1EK60	3KA58 30-1EE01	630	3KL61 30-1AB0	630	3	3NP44 70-0CA01	630	2; 3	3VF6211-1BM44-0AA0	500 – 600
315	6SE7036-0EK60	3KA58 30-1EE01	630	3KL61 30-1AB0	630	3	3NP44 70-0CA01	630	2; 3	3VF7111-1BK60-0AA0	630
400	6SE7037-0EK60	3KE45	1000	–	–	–	–	–	–	3VF7111-1BK60-0AA0	800

1) Fuse switch disconnectors:
Please observe the size of the cable-protection fuses and semiconductor-protection fuses!

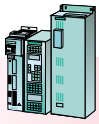
2) Can be optionally used depending on requirements. For further information, see catalog "Low-voltage switchgear".

3) See catalog "Low-voltage switchgear".
Used for drive converters with a line supply inductance of $\geq 3\%$ referred to the drive converter impedance, i.e. so that the ratio of the system fault level to the converter output is 33 : 1 or 100 : 1 and an additional 2 % line reactor is used. For the 100 kA system fault level, it may be necessary to use a fuse, as listed in the catalog "Low-voltage switchgear".

$$\text{Unit impedance: } Z = \frac{V_{\text{supply}}}{\sqrt{3} \cdot I_{V \text{ supply}}}$$

4) Caution:
Observe rated short-circuit breaking capacity I_{CN} and, if necessary, use the specified fuses.

5) The recommended system components are for a converter that acts as a single drive. If the converter supplies a multi-motor system, the supply current is larger than the current for a single drive by a factor of up to 1.6 (rated supply current = $1.76 \times$ rated output current I_{RN}). In this case, system components with a corresponding current-carrying capacity are to be selected.



Compact PLUS units
Compact and chassis units

SIMOVERT MASTERDRIVES Vector Control Compact PLUS, Compact and Chassis Units

Recommended system components
for converters

Cable-protection fuses Duty class gL ¹⁾³⁾			Semiconductor-protection fuses Duty class gR ³⁾ incl. cable protection			Radio-interference suppression filter			Main contactor/ AC contactor ⁴⁾			Commutating reactor $v_D = 2\%$		
Rated current		Size	Rated current		Size	Class ²⁾ P_V type		AC 1 duty at 40°C	Rated current		P_V 50/60 Hz		Rated current	
Order No.	A		Order No.	A		Order No.	W	Order No.	A		Order No.	W	A	

400/480 V, 50/60 Hz

3NA3 803	10	00	3NE1 813-0	16	000	6SE7012-0EP87-0FB1 ⁶⁾	B1 5	3RT10 15	18	4EP3200-4US00	8/ 10	1.5
3NA3 803	10	00	3NE1 813-0	16	000	6SE7016-0EP87-0FB1 ⁶⁾	B1 13	3RT10 15	18	4EP3200-5US00	12/ 18	3.0
3NA3 803	10	00	3NE1 813-0	16	000	6SE7016-0EP87-0FB1 ⁶⁾	B1 13	3RT10 15	18	4EP3200-2US00	23/ 35	5.0
3NA3 805	16	00	3NE1 813-0	16	000	6SE7021-2EP87-0FB1 ⁶⁾	B1 23	3RT10 15	18	4EP3400-2US00	35/ 38	9.1
3NA3 805	16	00	3NE1 813-0	16	000	6SE7021-2EP87-0FB1 ⁶⁾	B1 23	3RT10 15	18	4EP3400-1US00	35/ 38	11.2
3NA3 810	25	00	3NE1 814-0	20	000	6SE7021-8EP87-0FB1 ⁶⁾	B1 26	3RT10 16	22	4EP3500-0US00	45/ 48	16
3NA3 810	25	00	3NE1 815-0	25	000	6SE7023-4ES87-0FB1 6SE7023-8EP87-0FB1 ⁷⁾	B1 30	3RT10 16	22	4EP3600-4US00	52/ 57	18
3NA3 814	35	00	3NE1 803-0	35	000	6SE7023-4ES87-0FB1 6SE7023-8EP87-0FB1 ⁷⁾	B1 30	3RT10 25	40	4EP3600-5US00	52/ 57	28
3NA3 817	40	00	3NE1 802-0	40	000	6SE7023-4ES87-0FB1 6SE7023-8EP87-0FB1 ⁷⁾	B1 30	3RT10 34	50	4EP3700-2US00	57/ 60	35.5

400/480 V, 50/60 Hz

3NA3 803	10	00	-	-	-	6SE7021-0ES87-0FB1 ⁵⁾	B1 15	3RT1015	18	4EP3200-1US00	23/ 35	6.3
3NA3 805	16	00	3NE1 813-0	16	000	6SE7021-0ES87-0FB1 ⁵⁾	B1 15	3RT1015	18	4EP3400-2US00	35/ 38	9.1
3NA3 805	16	00	3NE1 813-0	16	000	6SE7021-0ES87-0FB1 ⁵⁾	B1 15	3RT1015	18	4EP3400-1US00	35/ 38	11.2
3NA3 810	25	00	3NE1 814-0	20	000	6SE7021-8ES87-0FB1 ⁵⁾	B1 20	3RT1016	22	4EP3500-0US00	45/ 48	16
3NA3 810	25	00	3NE1 815-0	25	000	6SE7021-8ES87-0FB1 ⁵⁾	B1 20	3RT1016	22	4EP3600-4US00	52/ 57	18
3NA3 814	35	00	3NE1 803-0	35	000	6SE7023-4ES87-0FB1 ⁵⁾	B1 30	3RT1025	40	4EP3600-5US00	52/ 57	28
3NA3 817	40	00	3NE1 802-0	40	000	6SE7023-4ES87-0FB1 ⁵⁾	B1 30	3RT1034	50	4EP3700-2US00	57/ 60	35.5
3NA3 820	50	00	3NE1 817-0	50	000	6SE7027-2ES87-0FB1 ⁵⁾	B1 40	3RT1034	50	4EP3700-5US00	57/ 60	40
3NA3 822	63	00	3NE1 818-0	63	000	6SE7027-2ES87-0FB1 ⁵⁾	B1 40	3RT1035	60	4EP3800-2US00	67/ 71	50
3NA3 824	80	00	3NE1 820-0	80	000	6SE7027-2ES87-0FB1 ⁵⁾	B1 40	3RT1044	100	4EP3800-7US00	67/ 71	63
3NA3 830	100	00	3NE1 021-0	100	00	6SE7027-2ES87-0FB1 ⁵⁾	B1 40	3RT1044	100	4EP3900-2US00	82/ 87	80
3NA3 032	125	0	3NE1 021-0	100	00	6SE7031-2ES87-0FA1 ⁵⁾	A1 50	3RT1045	120	4EP4000-2US00	96/103	100
3NA3 036	160	0	3NE1 224-0	160	1	6SE7031-8ES87-0FA1 ⁵⁾	A1 70	3RT1446	140	4EP4000-6US00	96/103	125
3NA3 140	200	1	3NE1 225-0	200	1	6SE7031-8ES87-0FA1 ⁵⁾	A1 70	3RT1055	185	4EU2452-2UA00-0AA0	154/163	160
3NA3 144	250	1	3NE1 227-0	250	1	6SE7031-8ES87-0FA1 ⁵⁾	A1 70	3RT1056	215	4EU2552-4UA00-0AA0	187/201	200
3NA3 144	250	1	3NE1 227-0	250	1	6SE7033-2ES87-0FA1 ⁵⁾	A1 100	3RT1456	275	4EU2552-8UA00-0AA0	187/201	224
3NA3 252	315	2	3NE1 230-0	315	1	6SE7033-2ES87-0FA1 ⁵⁾	A1 100	3RT1065	330	4EU2752-0UB00-0AA0	253/275	280
3NA3 260	400	2	3NE1 332-0	400	2	6SE7033-2ES87-0FA1 ⁵⁾	A1 100	3RT1065	330	4EU2752-7UA00-0AA0	253/275	315
3NA3 365	500	3	3NE1 333-0	450	2	6SE7036-0ES87-0FA1 ⁵⁾	A1 120	3RT1075	430	4EU2752-8UA00-0AA0	253/275	400
3NA3 372	630	3	3NE1 435-0	560	3	6SE7036-0ES87-0FA1 ⁵⁾	A1 120	3RT1076	610	4EU3052-5UA00-0AA0	334/367	560
3NA3 475	800	4	3NE1 436-0	630	3	6SE7036-0ES87-0FA1 ⁵⁾	A1 120	2 x 3RT1075	774	4EU3052-6UA00-1BA0	334/367	630
3NA3 475	800	4	3NE1 438-1	800	3	6SE7041-0ES87-0FA1 ⁵⁾	A1 200	3 x 3RT1075	774	4EU3652-8UA00-1BA0	450/495	720

1) Does not provide 100 % protection for the input rectifier of the unit.

2) Compliance with limit-value class according to EN 55 011 can only be ensured if a line commutating reactor with $V_D = 2\%$ is used (line commutating reactor with $V_D = 4\%$ also possible).

3) The cable cross-sections must be dimensioned according to DIN VDE 0100, VDE 0298 Part 4 and as a function of the rated fuse currents.

4) See catalog "Low-voltage switchgear".

5) Can only be used with TT and TN systems (earthed system).

6) Filter with integrated commutating reactor $v_D = 2\%$ with UL certification.

7) Filter with integrated commutating reactor $V_D = 2\%$ and UL certification. Available fall 2003.

SIMOVERT MASTERDRIVES Vector Control

Compact and Chassis Units



Recommended system components for converters

Compact and chassis units

Selection and ordering data

Nominal power rating	Converter	Switch disconnectors ²⁾		Switch disconnectors with fuse holders ²⁾			Fuse switch disconnectors ¹⁾²⁾			Circuit-breakers for system and motor protection to IEC 947-4 ³⁾⁴⁾	
		Order No.	Order No.	Rated current	Order No.	Rated current	Max. fuse size	Order No.	Rated current	Max. fuse size	Order No.
kW	Order No.	Order No.	A	Order No.	A		Order No.	A		Order No.	A
Supply voltage 3-ph. 500 V to 600 V AC											
500 V											
2.2	6SE7014-5FB61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1GA10	4.5- 6.3
3	6SE7016-2FB61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1HA10	5.5- 8
4	6SE7017-8FB61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1JA10	7 - 10
5.5	6SE7021-1FB61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-1KA10	9 - 12.5
7.5	6SE7021-5FB61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1021-4BA10	14 - 20
11	6SE7022-2FC61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4EA10	22 - 32
18.5	6SE7023-0FD61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4FA10	28 - 40
22	6SE7023-4FD61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1031-4FA10	28 - 40
30	6SE7024-7FD61	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000	3RV1041-4JA10	45 - 63
37	6SE7026-1FE60	3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100	000	3VF3111-1BN41-0AA0	50 - 63
45	6SE7026-6FE60	3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100	000	3VF3111-1BQ41-0AA0	63 - 80
55	6SE7028-0FF60	3KA52 30-1EE01	125	3KL52 30-1EB01	125	00	3NP40 70-0CA01	160	00	3VF3211-1BU41-0AA0	100 -125
75	6SE7031-1FF60	3KA53 30-1EE01	160	3KL52 30-1EB01	125	00	3NP40 70-0CA01	160	00	3VF3311-1BX41-0AA0	160 -200
90	6SE7031-3FG60	3KA53 30-1EE01	160	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF3311-1BX41-0AA0	160 -200
110	6SE7031-6FG60	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF3311-1BX41-0AA0	160 -200
132	6SE7032-0FG60	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF4211-1BM41-0AA0	200 -250
160	6SE7032-3FG60	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF5211-1BK41-0AA0	250 -315
200	6SE7033-0FK60	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP43 70-0CA01	400	1; 2	3VF5211-1BM41-0AA0	315 -400
250	6SE7033-5FK60	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP43 70-0CA01	400	1; 2	3VF6211-1BK44-0AA0	400 -500
315	6SE7034-5FK60	3KA58 30-1EE01	630	3KL61 30-1AB0	630	3	3NP44 70-0CA01	630	2; 3	3VF6211-1BM44-0AA0	500 -630
Supply voltage 3-ph. 660 V to 690 V AC											
690 V											
55	6SE7026-0HF60	3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100	000	3VF3111-1BQ41-0AA0	63 - 80
75	6SE7028-2HF60	3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100	000	3VF3211-1BU41-0AA0	100 -125
90	6SE7031-0HG60	3KA53 30-1EE01	160	3KL52 30-1EB01	125	00	3NP40 70-0CA01	160	00	3VF3211-1BW41-0AA0	125 -160
110	6SE7031-2HG60	3KA53 30-1EE01	160	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF3211-1BW41-0AA0	125 -160
132	6SE7031-5HG60	3KA53 30-1EE01	160	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF3311-1BX41-0AA0	160 -200
160	6SE7031-7HG60	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF4211-1BM41-0AA0	200 -250
200	6SE7032-1HG60	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1	3VF5211-1BK41-0AA0	250 -315
250	6SE7033-0HK60	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP43 70-0CA01	400	1; 2	3VF5211-1BM41-0AA0	315 -400
315	6SE7033-5HK60	3KA57 30-1EE01	400	3KL61 30-1AB0	630	3	3NP44 70-0CA01	630	2; 3	3VF6211-1BK44-0AA0	400 -500
400	6SE7034-5HK60	3KA58 30-1EE01	630	3KL61 30-1AB0	630	3	3NP44 70-0CA01	630	2; 3	3VF6211-1BM44-0AA0	500 -630

1) Fuse switch disconnectors:
Please observe the size of the cable-protection fuses and semiconductor-protection fuses!

2) Can be optionally used depending on requirements. For further information, see catalog "Low-voltage switchgear".

3) See catalog "Low-voltage switchgear".
Used for drive converters with a line supply inductance of $\geq 3\%$ referred to the drive converter impedance, i.e. so that the ratio of the system fault level to the converter output is 33 : 1 or 100 : 1 if additional 2% line reactor is used. For the 100 kA system fault level, it may be necessary to use a fuse, as listed in the catalog "Low-voltage switchgear".

4) Caution:
Observe rated short-circuit breaking capacity I_{CN} and, if necessary, use the specified fuses.

$$\text{Unit impedance: } Z = \frac{V_{\text{supply}}}{\sqrt{3} \cdot I_{V \text{ supply}}}$$



Compact and chassis units

SIMOVERT MASTERDRIVES Vector Control Compact and Chassis Units

Recommended system components for converters

Cable-protection fuses Duty class gL ¹⁾³⁾				Semiconductor-protection fuses Duty class gR ³⁾ incl. cable protection				Radio-interference suppression filter ²⁾		Main contactor/ AC contactor ⁴⁾		Commutating reactor $v_D = 2\%$		
Rated current		Size		Rated current		Size		P_V type	AC 1 duty at 40 °C	Rated current		P_V 50/60 Hz	Rated current	
Order No.	A			Order No.	A	Order No.		W	Order No.	A	Order No.	W	A	
to 500 V				to 600 V				500 V, 50 Hz						
3NA3 803	3NA3 803-6	10	000	3NE1 813-0	16	000	B84143-A25-R21 ⁵⁾	25	3RT10 15	18	4EP3200-2US00	23	5	
3NA3 803	3NA3 803-6	10	000	3NE1 813-0	16	000	B84143-A25-R21 ⁵⁾	25	3RT10 15	18	4EP3300-0US00	31	6.3	
3NA3 807	3NA3 807-6	20	000	3NE1 814-0	20	000	B84143-A25-R21 ⁵⁾	25	3RT10 15	18	4EP3400-3US00	35	8	
3NA3 807	3NA3 807-6	20	000	3NE1 814-0	20	000	B84143-A25-R21 ⁵⁾	25	3RT10 15	18	4EP3600-8US00	52	12.5	
3NA3 807	3NA3 807-6	20	000	3NE1 814-0	20	000	B84143-A25-R21 ⁵⁾	25	3RT10 16	22	4EP3600-2US00	52	16	
3NA3 814	3NA3 814-6	35	000	3NE1 803-0	35	000	B84143-A25-R21 ⁵⁾	25	3RT10 25	40	4EP3600-3US00	52	22.4	
3NA3 817	3NA3 817-6	40	000/00	3NE1 802-0	40	000	B84143-A36-R21 ⁵⁾	30	3RT10 25	40	4EP3700-6US00	57	31.5	
3NA3 820	3NA3 820-6	50	000/00	3NE1 802-0	40	000	B84143-A36-R21 ⁵⁾	30	3RT10 25	40	4EP3700-1US00	57	35.5	
3NA3 822	3NA3 822-6	63	000/00	3NE1 818-0	63	000	B84143-A50-R21 ⁵⁾	35	3RT10 35	60	4EP3800-1US00	67	50	
3NA3 824	3NA3 824-6	80	000/00	3NE1 818-0	63	000	B84143-A80-R21 ⁵⁾	40	3RT10 44	100	4EP3900-1US00	82	63	
3NA3 824	3NA3 824-6	80	000/00	3NE1 820-0	80	000	B84143-A80-R21 ⁵⁾	40	3RT10 44	100	4EP4000-7US00	96	71	
3NA3 830	3NA3 830-6	100	000/00	3NE1 021-0	100	00	B84143-A80-R21 ⁵⁾	40	3RT10 44	100	4EP4000-1US00	96	80	
3NA3 136	3NA3 136-6	160	1	3NE1 022-0	125	00	B84143-A120-R21 ⁵⁾	50	3RT10 45	120	4EP4000-8US00	96	112	
3NA3 136	3NA3 136-6	160	1	3NE1 224-0	160	1	B84143-A150-R21 ⁵⁾	60	3RT10 54	160	4EU2452-1UA00-0AA0	154	140	
3NA3 140	3NA3 140-6	200	1	3NE1 225-0	200	1	B84143-A180-R21 ⁵⁾	70	3RT10 55	185	4EU2552-2UA00-0AA0	187	160	
3NA3 244	3NA3 244-6	250	2	3NE1 227-0	250	1	B84143-B250-S□□	90	3RT10 56	215	4EU2552-6UA00-0AA0	187	200	
3NA3 252	3NA3 252-6	315	2	3NE1 227-0	250	1	B84143-B250-S□□	90	3RT14 56	275	4EU2752-2UA00-0AA0	253	250	
3NA3 260	3NA3 260-6	400	2	3NE1 331-0	350	2	B84143-B320-S□□	100	3RT10 65	330	4EU2752-3UA00-0AA0	253	315	
3NA3 365	3NA3 365-6	500	3	3NE1 332-0	400	2	B84143-B600-S□□	120	3RT10 75	430	4EU2752-4UA00-0AA0	253	400	
3NA3 365	3NA3 365-6	500	3	3NE1 334-0	500	2	B84143-B600-S□□	120	3RT10 75	610	4EU3052-2UA00-0AA0	334	450	
							690 V, 50 Hz							
3NA3 824-6		80	00	3NE1 818-0	63	000	B84143-A80-R21 ⁵⁾	40	3RT10 44	100	4EP4000-3US00	96	63	
3NA3 830-6		100	00	3NE1 021-0	100	00	B84143-A120-R21 ⁵⁾	50	3RT10 44	100	4EU2452-3UA00-0AA0	154	91	
3NA3 136-6		160	1	3NE1 022-0	125	00	B84143-A120-R21 ⁵⁾	50	3RT10 45	120	4EU2552-7UA00-0AA0	187	100	
3NA3 136-6		160	1	3NE1 224-0	160	1	B84143-A120-R21 ⁵⁾	50	3RT14 46	140	4EU2552-3UA00-0AA0	187	125	
3NA3 136-6		160	1	3NE1 224-0	160	1	B84143-A150-R21 ⁵⁾	60	3RT10 54	160	4EU2552-0UB00-0AA0	187	160	
3NA3 140-6		200	1	3NE1 225-0	200	1	B84143-A180-R21 ⁵⁾	70	3RT10 56	215	4EU2752-5UA00-0AA0	253	180	
3NA3 244-6		250	2	3NE1 227-0	250	1	B84143-B250-S□□	90	3RT14 56	275	4EU2752-6UA00-0AA0	253	224	
3NA3 360-6		400	3	3NE1 332-0	400	2	B84143-B320-S□□	100	3RT10 65	330	4EU3052-3UA00-0AA0	334	315	
3NA3 360-6		400	3	3NE1 332-0	400	2	B84143-B600-S□□	120	3RT14 66	400	4EU3052-4UA00-0AA0	334	400	
3NA3 365-6		500	3	3NE1 334-0	500	2	B84143-B600-S□□	120	3RT10 76	610	4EU3652-5UA00-0AA0	334	500	

B84143-B...-S□□



For 500 V TT and TN systems (earthed system)	2 0
For 690 V TT and TN systems (earthed system)	2 1
For 380 V to 690 V IT systems (non-earthed system)	2 4

1) Does not provide 100 % protection for the input rectifier of the unit.
2) Available from EPCOS (www.epcos.com). Further information on the filters can be found at www4.ad.siemens.de. Please enter the following number under "Entry ID": 65 67 129.

3) The cable cross-sections must be dimensioned according to DIN VDE 0100, VDE 0298 Part 4 and as a function of the rated fuse currents.

4) See catalog "Low-voltage switchgear".

5) Can only be used with TT and TN systems (earthed system).