



Compact and chassis units



Compact PLUS units

SIMOVER MASTERDRIVES Motion Control

Selection and ordering data

Recommended line-side power options

Rectifier units

Nominal power rating	Rectifier unit	Switch disconnectors ²⁾		Switch disconnector with fuse holders ¹⁾²⁾			Fuse switch disconnectors ¹⁾²⁾		
			Rated current		Rated current	Max. fuse size		Rated current	Max. fuse size
kW	Order No.	Order No.	A	Order No.	A		Order No.	A	
Supply voltage 3-ph. 380 V to 480 V AC									
Compact PLUS units									
15	6SE7024-1EP85-0AA0	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000
50	6SE7031-2EP85-0AA0	3KA53 30-1EE01	160	3KL53 30-1EB01	160	0; 1; 2	3NP42 70-0CA01	250	0; 1
100	6SE7032-3EP85-0AA0	3KA55 30-1EE01	250 ⁸⁾	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1
Compact and chassis units									
15	6SE7024-1EB85-0AA0	3KA50 30-1EE01	63	3KL50 30-1EB01	63	00	3NP40 10-0CH01	100	000
37	6SE7028-6EC85-0AA0	3KA51 30-1EE01	80	3KL52 30-1EB01	125	00	3NP40 10-0CH01	100	000
75	6SE7031-7EE85-0AA0	3KA53 30-1EE01	160	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1
110	6SE7032-7EE85-0AA0	3KA55 30-1EE01	250	3KL55 30-1EB01	250	0; 1; 2	3NP42 70-0CA01	250	0; 1
160	6SE7033-8EE85-0AA0	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP53 60-0CA00	400	1; 2
200	6SE7034-6EE85-0AA0	3KA57 30-1EE01	400	3KL57 30-1EB01	400	1; 2	3NP53 60-0CA00	400	1; 2
250	6SE7036-1EE85-0AA0	3KA58 30-1EE00	630	3KL61 30-1AB0	630	3	3NP54 60-0CA00	630	2; 3

Nominal power rating	Rectifier unit	Cable-protection fuses Duty class gL ³⁾ 4)			Semiconductor-protection fuses Duty class gR ³⁾ (incl. cable protection)			Main contactor/ AC contactor ⁵⁾	
			Rated current	Size		Rated current	Size	AC1 duty 55 °C	Rated current
kW	Order No.	Order No.	A		Order No.	A		Order No.	A
Supply voltage 3-ph. 380 V to 480 V AC									
Compact PLUS units									
15	6SE7024-1EP85-0AA0	3NA3 817	40	00	3NE1 802-0	40	000	3RT10 34	45
50	6SE7031-2EP85-0AA0	3NA3 032	125	1	3NE1 022-0	125	1	3RT10 54	160
100	6SE7032-3EP85-0AA0	3NA3 142	224	2	3NE1 227-0	250	1	3RT10 64	275
Compact and chassis units									
15	6SE7024-1EB85-0AA0	3NA3 820	50	00	3NE1 802-0	40	000	3RT10 34	45
37	6SE7028-6EC85-0AA0	3NA3 830	100	00	3NE1 820-0	80	000	3RT10 44	90
75	6SE7031-7EE85-0AA0	3NA3 140	200	1	3NE1 224-0	160	1	3TK50	190
110	6SE7032-7EE85-0AA0	3NA3 252	315	2	3NE1 227-0	250	1	3TK52	315
160	6SE7033-8EE85-0AA0	3NA3 260	400	2	3NE1 331-0	350	2	3TK54	380
200	6SE7034-6EE85-0AA0	3NA3 365	500	3	3NE1 332-0	400	2	3TK56	500
250	6SE7036-1EE85-0AA0	3NA3 372	630	3	3NE1 435-0	560	3	2 x 3TK52	567

Nominal power rating	Rectifier unit	Commutating reactor $V_D = 2\%$		Commutating reactor $V_D = 4\%$		Radio-interference suppression filter ⁶⁾⁷⁾		Class
		400/460 V 50/60 Hz	P_V 50/60 Hz	Rated current	400/460 V 50/60 Hz	P_V 50/60 Hz	Rated current	
kW	Order No.	Order No.	W	A	Order No.	W	A	Order No.

Supply voltage 3-ph. 380 V to 480 V AC									
Compact PLUS units									
15	6SE7024-1EP85-0AA0	4EP37 00-2US00	57/60	35.5	4EP39 00-5US00	82/87	35.5	6SE7023-4ES87-0FB1	B1
50	6SE7031-2EP85-0AA0	4EU24 52-2UA00-0AA0	154/163	160	4EU27 52-1UB00-0AA0	253/275	160	6SE7031-8ES87-0FA1	A1
100	6SE7032-3EP85-0AA0	4EU25 52-5UA00-0AA0	187/201	250	4EU30 52-7UA00-0AA0	334/367	280	6SE7033-2ES87-0FA1	A1
Compact and chassis units									
15	6SE7024-1EB85-0AA0	4EP37 00-2US00	57/60	35.5	4EP39 00-5US00	82/87	35.5	6SE7023-4ES87-0FB1	B1
37	6SE7028-6EC85-0AA0	4EP39 00-2US00	82/87	80	4EU24 52-4UA00-0AA0	154/163	80	6SE7027-2ES87-0FB1	B1
75	6SE7031-7EE85-0AA0	4EU24 52-2UA00-0AA0	154/163	160	4EU27 52-1UB00-0AA0	253/275	160	6SE7031-8ES87-0FA1	A1
110	6SE7032-7EE85-0AA0	4EU25 52-5UA00-0AA0	187/201	250	4EU30 52-7UA00-0AA0	334/367	280	6SE7033-2ES87-0FA1	A1
160	6SE7033-8EE85-0AA0	4EU27 52-7UA00-0AA0	253/275	315	4EU30 52-8UA00-0AA0	334/367	355	6SE7033-2ES87-0FA1	A1
200	6SE7034-6EE85-0AA0	4EU27 52-8UA00-0AA0	253/275	400	4EU36 52-3UB00-0AA0	450/495	400	6SE7036-0ES87-0FA1	A1
250	6SE7036-1EE85-0AA0	4EU30 52-5UA00-0AA0	334/367	560	4EU36 52-4UB00-0AA0	450/495	560	6SE7036-0ES87-0FA1	A1

1) Switch disconnectors: Please take into account the size of the cable-protection and semiconductor-protection fuses!

2) Can be optionally used, depending on requirements. For further information refer to Catalog NS K.

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) Does not ensure total protection for the input rectifier of the unit.

5) Refer to Catalog NS K.

6) Line supply suppression according to EN 61 800-3 can only be ensured with the line commutating reactor $V_D = 2\%$.

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

8) Output current via a two-busbar connection with 120 A per outgoing circuit.