



Siemens Low Voltage and Control 2025

SIEMENS

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Siemens TIA Selection Tool

Configuration Tools

Industrial controls



Energy distribution and measurement



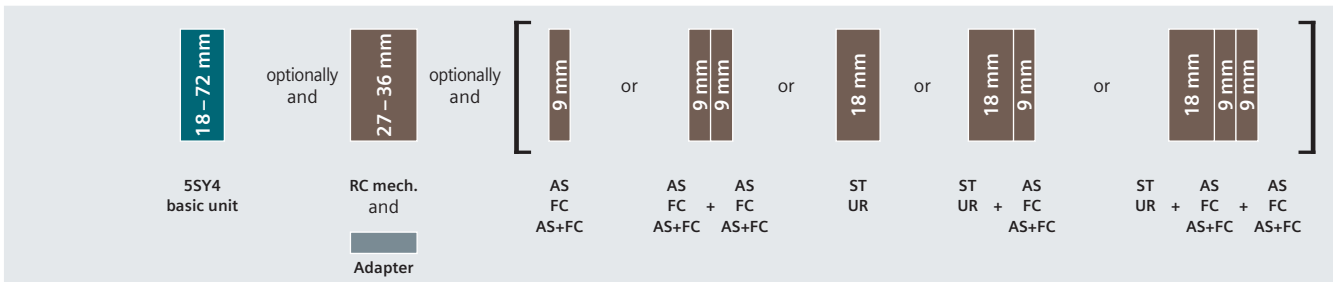
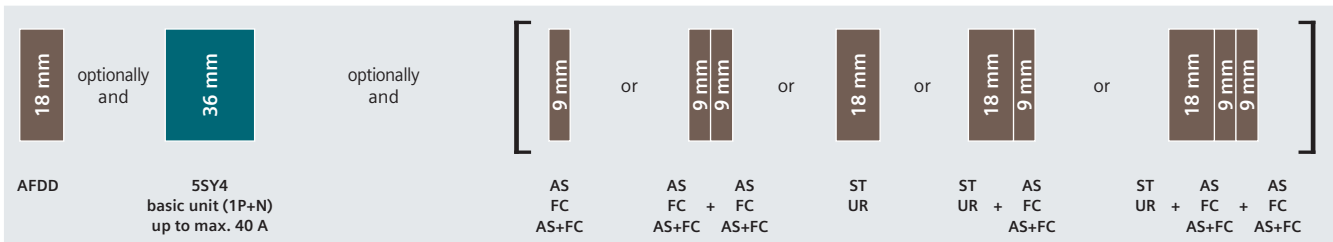
SENTRON protection devices

5SY4 miniature circuit breakers

10 kA

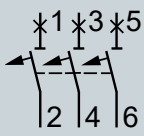
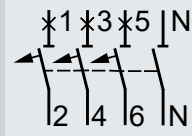
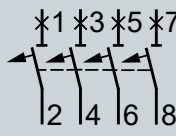
Mounting width	1P 230/400 V AC				1P+N 230 V AC				2P 400 V AC			
	1 MW				2 MW				2 MW			
Rated current I_n	Characteristic				Characteristic				Characteristic			
	A	B	C	D	A	B	C	D	A	B	C	D
0.3 A	–	–	5SY4114-7	5SY4114-8	–	–	5SY4514-7	5SY4514-8	–	–	5SY4214-7	5SY4214-8
0.5 A	5SY4105-5	–	5SY4105-7	5SY4105-8	–	–	5SY4505-7	5SY4505-8	5SY4205-5	–	5SY4205-7	5SY4205-8
1 A	5SY4101-5	5SY4101-6	5SY4101-7	5SY4101-8	5SY4501-5	–	5SY4501-7	5SY4501-8	5SY4201-5	5SY4201-6	5SY4201-7	5SY4201-8
1.6 A	5SY4115-5	5SY4115-6	5SY4115-7	5SY4115-8	5SY4515-5	5SY4515-6	5SY4515-7	5SY4515-8	5SY4215-5	5SY4215-6	5SY4215-7	5SY4215-8
2 A	5SY4102-5	5SY4102-6	5SY4102-7	5SY4102-8	5SY4502-5	–	5SY4502-7	5SY4502-8	5SY4202-5	5SY4202-6	5SY4202-7	5SY4202-8
3 A	5SY4103-5	5SY4103-6	5SY4103-7	5SY4103-8	5SY4503-5	–	5SY4503-7	5SY4503-8	5SY4203-5	5SY4203-6	5SY4203-7	5SY4203-8
4 A	5SY4104-5	5SY4104-6	5SY4104-7	5SY4104-8	5SY4504-5	5SY4504-6	5SY4504-7	5SY4504-8	5SY4204-5	5SY4204-6	5SY4204-7	5SY4204-8
5 A	–	–	5SY4111-7	–	–	–	–	–	–	–	5SY4211-7	–
6 A	5SY4106-5	5SY4106-6	5SY4106-7	5SY4106-8	5SY4506-5	5SY4506-6	5SY4506-7	5SY4506-8	5SY4206-5	5SY4206-6	5SY4206-7	5SY4206-8
8 A	5SY4108-5	5SY4108-6	5SY4108-7	5SY4108-8	5SY4508-5	–	5SY4508-7	5SY4508-8	5SY4208-5	5SY4208-6	5SY4208-7	5SY4208-8
10 A	5SY4110-5	5SY4110-6	5SY4110-7	5SY4110-8	5SY4510-5	5SY4510-6	5SY4510-7	5SY4510-8	5SY4210-5	5SY4210-6	5SY4210-7	5SY4210-8
13 A	5SY4113-5	5SY4113-6	5SY4113-7	5SY4113-8	5SY4513-5	5SY4513-6	5SY4513-7	5SY4513-8	5SY4213-5	5SY4213-6	5SY4213-7	5SY4213-8
15 A	–	–	5SY4118-7	–	–	–	–	–	–	–	5SY4218-7	–
16 A	5SY4116-5	5SY4116-6	5SY4116-7	5SY4116-8	5SY4516-5	5SY4516-6	5SY4516-7	5SY4516-8	5SY4216-5	5SY4216-6	5SY4216-7	5SY4216-8
20 A	5SY4120-5	5SY4120-6	5SY4120-7	5SY4120-8	5SY4520-5	5SY4520-6	5SY4520-7	5SY4520-8	5SY4220-5	5SY4220-6	5SY4220-7	5SY4220-8
25 A	5SY4125-5	5SY4125-6	5SY4125-7	5SY4125-8	5SY4525-5	5SY4525-6	5SY4525-7	5SY4525-8	5SY4225-5	5SY4225-6	5SY4225-7	5SY4225-8
30 A	–	–	5SY4130-7	–	–	–	–	–	–	–	5SY4230-7	–
32 A	5SY4132-5	5SY4132-6	5SY4132-7	5SY4132-8	5SY4532-5	5SY4532-6	5SY4532-7	5SY4532-8	5SY4232-5	5SY4232-6	5SY4232-7	5SY4232-8
35 A	–	–	5SY4135-7	–	–	–	–	–	–	–	5SY4235-7	–
40 A	5SY4140-5	5SY4140-6	5SY4140-7	5SY4140-8	5SY4540-5	5SY4540-6	5SY4540-7	5SY4540-8	5SY4240-5	5SY4240-6	5SY4240-7	5SY4240-8
45 A	–	–	5SY4145-7	–	–	–	–	–	–	–	5SY4245-7	–
50 A	5SY4150-5	5SY4150-6	5SY4150-7	5SY4150-8	5SY4550-5	5SY4550-6	5SY4550-7	5SY4550-8	5SY4250-5	5SY4250-6	5SY4250-7	5SY4250-8
60 A	–	–	5SY4160-7	–	–	–	–	–	–	–	5SY4260-7	–
63 A	5SY4163-5	5SY4163-6	5SY4163-7	5SY4163-8	5SY4563-5	5SY4563-6	5SY4563-7	5SY4563-8	5SY4263-5	5SY4263-6	5SY4263-7	5SY4263-8
80 A	–	5SY4180-6	5SY4180-7	–	–	–	5SY4580-7	–	–	5SY4280-6	5SY4280-7	–

Mounting concept



SENTRON protection devices

5SY4 miniature circuit breakers

3P 400 V AC 3 MW				3P+N 400 V AC 4 MW				4P 400 V AC 4 MW			
											
Characteristic		Characteristic		Characteristic		Characteristic		Characteristic		Characteristic	
A	B	C	D	A	B	C	D	A	B	C	D
–	–	5SY4314-7	5SY4314-8	–	–	5SY4614-7	5SY4614-8	–	–	5SY4414-7	5SY4414-8
5SY4305-5	–	5SY4305-7	5SY4305-8	–	–	5SY4605-7	5SY4605-8	–	–	5SY4405-7	5SY4405-8
5SY4301-5	5SY4301-6	5SY4301-7	5SY4301-8	5SY4601-5	–	5SY4601-7	5SY4601-8	5SY4401-5	–	5SY4401-7	5SY4401-8
5SY4315-5	5SY4315-6	5SY4315-7	5SY4315-8	5SY4615-5	–	5SY4615-7	5SY4615-8	5SY4415-5	–	5SY4415-7	5SY4415-8
5SY4302-5	5SY4302-6	5SY4302-7	5SY4302-8	5SY4602-5	–	5SY4602-7	5SY4602-8	5SY4402-5	–	5SY4402-7	5SY4402-8
5SY4303-5	5SY4303-6	5SY4303-7	5SY4303-8	5SY4603-5	–	5SY4603-7	5SY4603-8	5SY4403-5	–	5SY4403-7	5SY4403-8
5SY4304-5	5SY4304-6	5SY4304-7	5SY4304-8	5SY4604-5	–	5SY4604-7	5SY4604-8	5SY4404-5	–	5SY4404-7	5SY4404-8
–	–	5SY4311-7	–	–	–	–	–	–	–	–	–
5SY4306-5	5SY4306-6	5SY4306-7	5SY4306-8	5SY4606-5	5SY4606-6	5SY4606-7	5SY4606-8	5SY4406-5	5SY4406-6	5SY4406-7	5SY4406-8
5SY4308-5	5SY4308-6	5SY4308-7	5SY4308-8	5SY4608-5	–	5SY4608-7	5SY4608-8	5SY4408-5	–	5SY4408-7	5SY4408-8
5SY4310-5	5SY4310-6	5SY4310-7	5SY4310-8	5SY4610-5	5SY4610-6	5SY4610-7	5SY4610-8	5SY4410-5	5SY4410-6	5SY4410-7	5SY4410-8
5SY4313-5	5SY4313-6	5SY4313-7	5SY4313-8	5SY4613-5	5SY4613-6	5SY4613-7	5SY4613-8	5SY4413-5	5SY4413-6	5SY4413-7	5SY4413-8
–	–	5SY4318-7	–	–	–	–	–	–	–	–	–
5SY4316-5	5SY4316-6	5SY4316-7	5SY4316-8	5SY4616-5	5SY4616-6	5SY4616-7	5SY4616-8	5SY4416-5	5SY4416-6	5SY4416-7	5SY4416-8
5SY4320-5	5SY4320-6	5SY4320-7	5SY4320-8	5SY4620-5	5SY4620-6	5SY4620-7	5SY4620-8	5SY4420-5	5SY4420-6	5SY4420-7	5SY4420-8
5SY4325-5	5SY4325-6	5SY4325-7	5SY4325-8	5SY4625-5	5SY4625-6	5SY4625-7	5SY4625-8	5SY4425-5	5SY4425-6	5SY4425-7	5SY4425-8
–	–	5SY4330-7	–	–	–	–	–	–	–	–	–
5SY4332-5	5SY4332-6	5SY4332-7	5SY4332-8	5SY4632-5	5SY4632-6	5SY4632-7	5SY4632-8	5SY4432-5	5SY4432-6	5SY4432-7	5SY4432-8
–	–	5SY4335-7	–	–	–	–	–	–	–	–	–
5SY4340-5	5SY4340-6	5SY4340-7	5SY4340-8	5SY4640-5	5SY4640-6	5SY4640-7	5SY4640-8	5SY4440-5	5SY4440-6	5SY4440-7	5SY4440-8
–	–	5SY4345-7	–	–	–	–	–	–	–	–	–
5SY4350-5	5SY4350-6	5SY4350-7	5SY4350-8	5SY4650-5	5SY4650-6	5SY4650-7	5SY4650-8	5SY4450-5	5SY4450-6	5SY4450-7	5SY4450-8
–	–	5SY4360-7	–	–	–	–	–	–	–	–	–
5SY4363-5	5SY4363-6	5SY4363-7	5SY4363-8	5SY4663-5	5SY4663-6	5SY4663-7	5SY4663-8	5SY4463-5	5SY4463-6	5SY4463-7	5SY4463-8
–	5SY4380-6	5SY4380-7	–	–	–	5SY4680-7	–	–	5SY4480-6	5SY4480-7	–

Accessories

Auxiliary switches (AS)		Article No.	Arc fault detection units (AFDD)		Article No.
1 NO + 1 NC	Standard	5ST3010	For basic units 1P+N (2 MW)	I_n up to 16 A	5SM6021-2
	For low power	5ST3013		I_n up to 40 A	5SM6024-2
	For low power (with diode)	5ST3013-0XX01	Undervoltage releases (UR)		Article No.
2 NO	Standard	5ST3011	With integrated	230 V AC	5ST3040
	For low power	5ST3014	auxiliary switch	110 V DC	5ST3041
	For low power	5ST3015		24 V DC	5ST3042
2 NC	Standard	5ST3012	Without integrated	230 V AC	5ST3043
	For low power	5ST3016	auxiliary switch	110 V DC	5ST3044
	Standard	5ST3016		24 V DC	5ST3045
Fault signal contacts (FC)		Article No.	Remote controlled mechanisms (RC mech.)		Article No.
1 NO + 1 NC		5ST3020	Basic	12 ... 30 V AC, 12 ... 48 V DC	5ST3053
2 NO		5ST3021		177 ... 270 V AC	5ST3054
2 NC		5ST3022	Power	12 ... 30 V AC, 12 ... 48 V DC	5ST3055
Auxiliary switches and fault signal contacts (AS+FC)		Article No.		177 ... 270 V AC	5ST3056
1 CO (AS) + 1 CO (FC)		5ST3062	Power with ARD	12 ... 30 V AC, 12 ... 48 V DC	5ST3057
5ST3 COM (AS+FC) new		5ST3062-0MC		177 ... 270 V AC	5ST3058
Shunt trips (ST)		Article No.	Power with extended	12 ... 30 V AC, 12 ... 48 V DC	5ST3070
110 ... 415 V AC, 110 ... 220 DC		5ST3030	function	170 ... 277 V AC, 77 ... 286 V DC	5ST3071 new
24 ... 48 V AC/DC		5ST3031	Adapters for remote controlled mechanisms (RC mech.)		Article No.
12 V DC		5ST3031-0XX01	1–2 MW		5ST3820-1
			3–4 MW		5ST3820-2

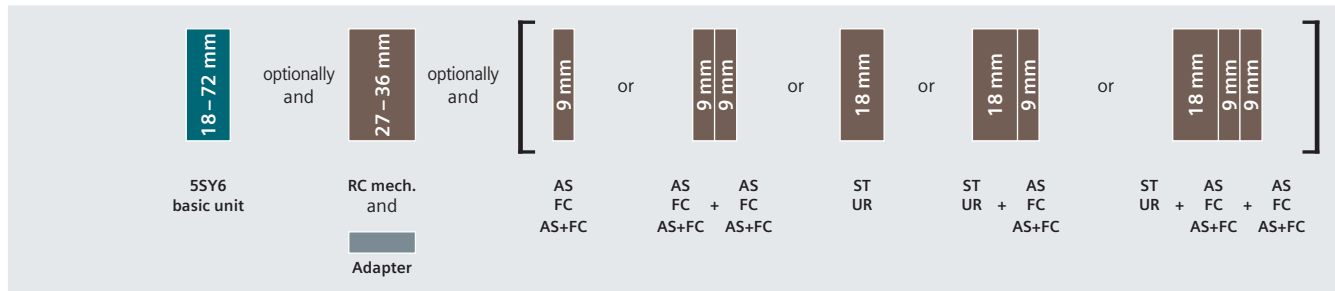
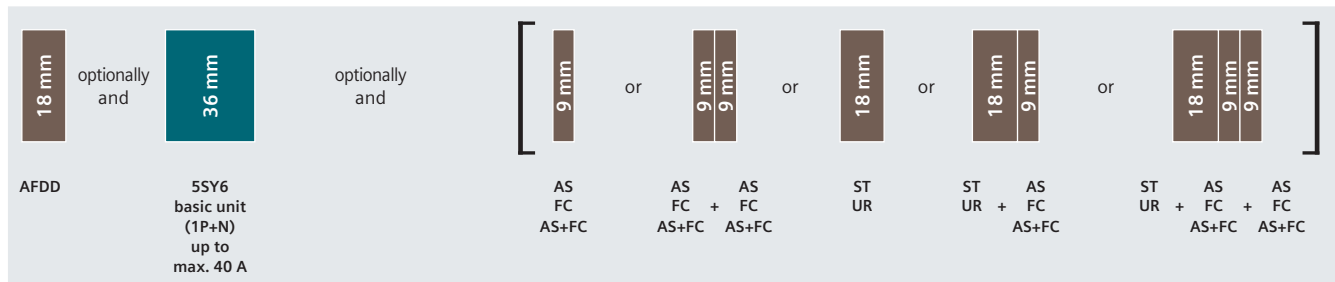
SENTRON protection devices

5SY6 miniature circuit breakers

6 kA

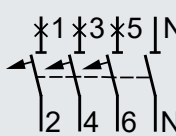
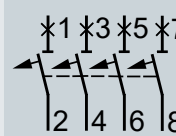
Mounting width	1P 230/400 V AC	1P+N 230 V AC	2P 400 V AC	3P 400 V AC				
	1 MW	2 MW	2 MW	3 MW				
Rated current I_n	Characteristic		Characteristic		Characteristic		Characteristic	
	B	C	B	C	B	C	B	C
0.3 A	–	5SY6114-7	–	5SY6514-7	–	5SY6214-7	–	5SY6314-7
0.5 A	–	5SY6105-7	–	5SY6505-7	–	5SY6205-7	–	5SY6305-7
1 A	–	5SY6101-7	–	5SY6501-7	–	5SY6201-7	–	5SY6301-7
1.6 A	–	5SY6115-7	–	5SY6515-7	–	5SY6215-7	–	5SY6315-7
2 A	5SY6102-6	5SY6102-7	–	5SY6502-7	–	5SY6202-7	–	5SY6302-7
3 A	–	5SY6103-7	–	5SY6503-7	–	5SY6203-7	–	5SY6303-7
4 A	5SY6104-6	5SY6104-7	–	5SY6504-7	–	5SY6204-7	–	5SY6304-7
5 A	–	5SY6111-7	–	–	–	5SY6211-7	–	5SY6311-7
6 A	5SY6106-6	5SY6106-7	5SY6506-6	5SY6506-7	5SY6206-6	5SY6206-7	5SY6306-6	5SY6306-7
8 A	–	5SY6108-7	–	5SY6508-7	–	5SY6208-7	–	5SY6308-7
10 A	5SY6110-6	5SY6110-7	5SY6510-6	5SY6510-7	5SY6210-6	5SY6210-7	5SY6310-6	5SY6310-7
13 A	5SY6113-6	5SY6113-7	5SY6513-6	5SY6513-7	5SY6213-6	5SY6213-7	5SY6313-6	5SY6313-7
15 A	–	5SY6118-7	–	–	–	5SY6218-7	–	5SY6318-7
16 A	5SY6116-6	5SY6116-7	5SY6516-6	5SY6516-7	5SY6216-6	5SY6216-7	5SY6316-6	5SY6316-7
20 A	5SY6120-6	5SY6120-7	5SY6520-6	5SY6520-7	5SY6220-6	5SY6220-7	5SY6320-6	5SY6320-7
25 A	5SY6125-6	5SY6125-7	5SY6525-6	5SY6525-7	5SY6225-6	5SY6225-7	5SY6325-6	5SY6325-7
30 A	–	5SY6130-7	–	–	–	5SY6230-7	–	5SY6330-7
32 A	5SY6132-6	5SY6132-7	5SY6532-6	5SY6532-7	5SY6232-6	5SY6232-7	5SY6332-6	5SY6332-7
40 A	5SY6140-6	5SY6140-7	5SY6540-6	5SY6540-7	5SY6240-6	5SY6240-7	5SY6340-6	5SY6340-7
50 A	5SY6150-6	5SY6150-7	5SY6550-6	5SY6550-7	5SY6250-6	5SY6250-7	5SY6350-6	5SY6350-7
63 A	5SY6163-6	5SY6163-7	5SY6563-6	5SY6563-7	5SY6263-6	5SY6263-7	5SY6363-6	5SY6363-7

Mounting concept



SENTRON protection devices

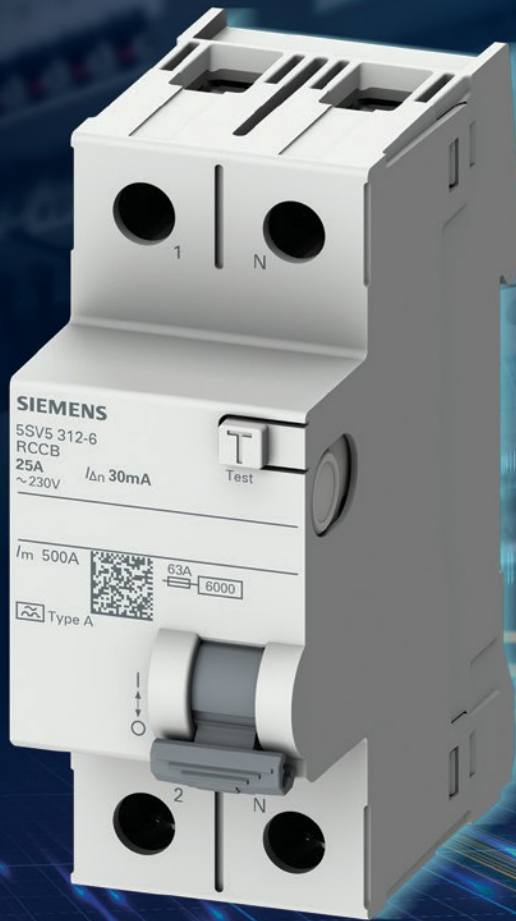
5SY6 miniature circuit breakers

3P+N 400 V AC 4 MW		4P 400 V AC 4 MW	
			
Characteristic		Characteristic	
B	C	B	C
–	5SY6614-7	–	5SY6414-7
–	5SY6605-7	–	5SY6405-7
–	5SY6601-7	–	5SY6401-7
–	5SY6615-7	–	5SY6415-7
–	5SY6602-7	–	5SY6402-7
–	5SY6603-7	–	5SY6403-7
–	5SY6604-7	–	5SY6404-7
–	–	–	–
5SY6606-6	5SY6606-7	5SY6406-6	5SY6406-7
–	5SY6608-7	–	5SY6408-7
5SY6610-6	5SY6610-7	5SY6410-6	5SY6410-7
5SY6613-6	5SY6613-7	5SY6413-6	5SY6413-7
–	–	–	–
5SY6616-6	5SY6616-7	5SY6416-6	5SY6416-7
5SY6620-6	5SY6620-7	5SY6420-6	5SY6420-7
5SY6625-6	5SY6625-7	5SY6425-6	5SY6425-7
–	–	–	–
5SY6632-6	5SY6632-7	5SY6432-6	5SY6432-7
5SY6640-6	5SY6640-7	5SY6440-6	5SY6440-7
5SY6650-6	5SY6650-7	5SY6450-6	5SY6450-7
5SY6663-6	5SY6663-7	5SY6463-6	5SY6463-7

Accessories

Auxiliary switches (AS)		Article No.
1 NO + 1 NC	Standard	5ST3010
	For low power	5ST3013
	For low power (with diode)	5ST3013-OXX01
2 NO	Standard	5ST3011
	For low power	5ST3014
2 NC	Standard	5ST3012
	For low power	5ST3015
1 CO	Standard	5ST3016
Fault signal contacts (FC)		Article No.
1 NO + 1 NC		5ST3020
2 NO		5ST3021
2 NC		5ST3022
Auxiliary switches and fault signal contacts (AS+FC)		Article No.
1 CO (AS) + 1 CO (FC)		5ST3062
5ST3 COM (AS+FC) new		5ST3062-OMC
Shunt trips (ST)		Article No.
110 ... 415 V AC, 110 ... 220 DC		5ST3030
24 ... 48 V AC/DC		5ST3031
12 V DC		5ST3031-OXX01

Undervoltage releases (UR)		Article No.
With integrated auxiliary switch	230 V AC	5ST3040
	110 V DC	5ST3041
	24 V DC	5ST3042
Without integrated auxiliary switch	230 V AC	5ST3043
	110 V DC	5ST3044
	24 V DC	5ST3045
Remote controlled mechanisms (RC mech.)		Article No.
Basic	12 ... 30 V AC, 12 ... 48 V DC	5ST3053
	177 ... 270 V AC	5ST3054
Power	12 ... 30 V AC, 12 ... 48 V DC	5ST3055
	177 ... 270 V AC	5ST3056
Power with ARD	12 ... 30 V AC, 12 ... 48 V DC	5ST3057
	177 ... 270 V AC	5ST3058
Power with extended function	12 ... 30 V AC, 12 ... 48 V DC	5ST3070
	170 ... 277 V AC, 77 ... 286 V DC	5ST3071 new
Adapters for remote controlled mechanisms (RC mech.)		Article No.
1–2 MW		5ST3820-1
3–4 MW		5ST3820-2
Arc fault detection units (AFDD)		Article No.
For basic units 1P+N (2 MW), not in combination with RC mech.	I_n up to 16 A	5SM6021-2
	I_n up to 40 A	5SM6024-2



Our new residual current protection relay

Full protection with type A 5SV5!

It is important to choose the right product for complete protection against leakage current. Meet the type A 5SV5 product family.

SIEMENS

SENTRON protection devices

Residual current protection relays

Material Type	Threshold Current $I_{\Delta n}$ (mA)	Nominal Voltage U_n (V)	Rated Current $I_{(n)}$ (A)	TE*	Type A		Min. Order quantity
					Order No		

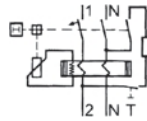
LEAKAGE CURRENT PROTECTION RELAYS

Single phase, Phase+ Neutral leakage protection relay



5SV331.
5SV361.

Single-phase,
Phase+Neutral
Connection



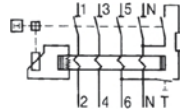
30	230	25	2	5SV5312-6		1
		40		5SV5314-6		1
		63		5SV5316-6		1
		80		5SV3317-6		1
300	230	25	2	5SV5612-6		1
		40		5SV5614-6		1
		63		5SV5616-6		1
		80		5SV3617-6		1

Three-phase, 3 Phase+ Neutral residual current protection relay



5SV53.
5SV56.

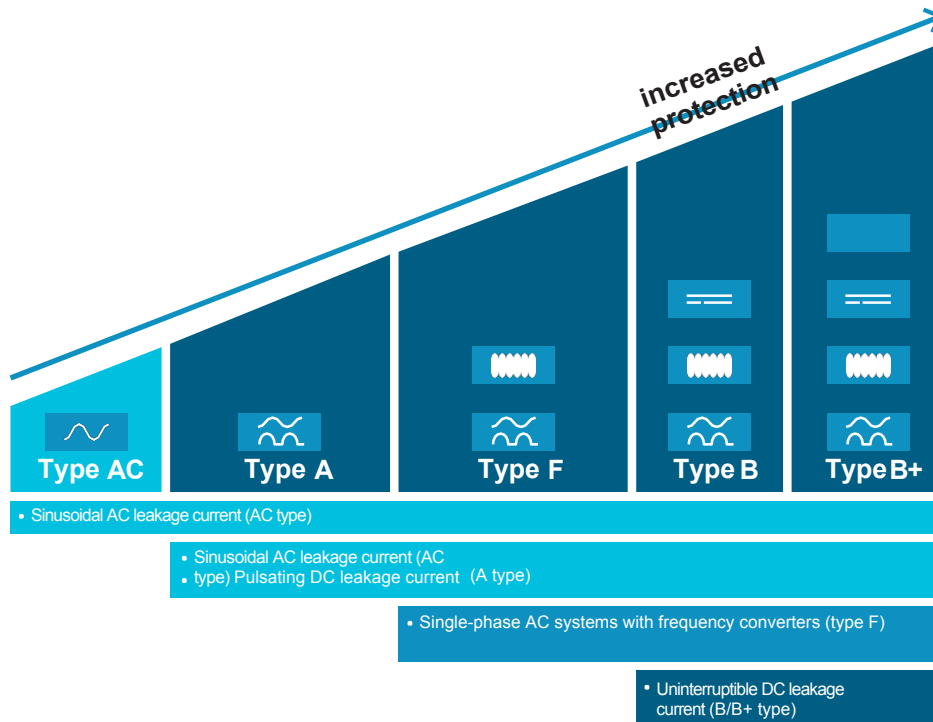
Single-phase,
Phase+Neutral
Connection



30	400	25	4	5SV5342-6		1
		40		5SV5344-6		1
		63		5SV5346-6		1
		80		5SV3347-6		1
		100		5SV3348-6		1
		125		5SV3345-6		1
300	400	25	4	5SV5642-6		1
		40		5SV5644-6		1
		63		5SV5646-6		1
		80		5SV3647-6		1
		100		5SV3648-6		1
		125		5SV3645-6		1

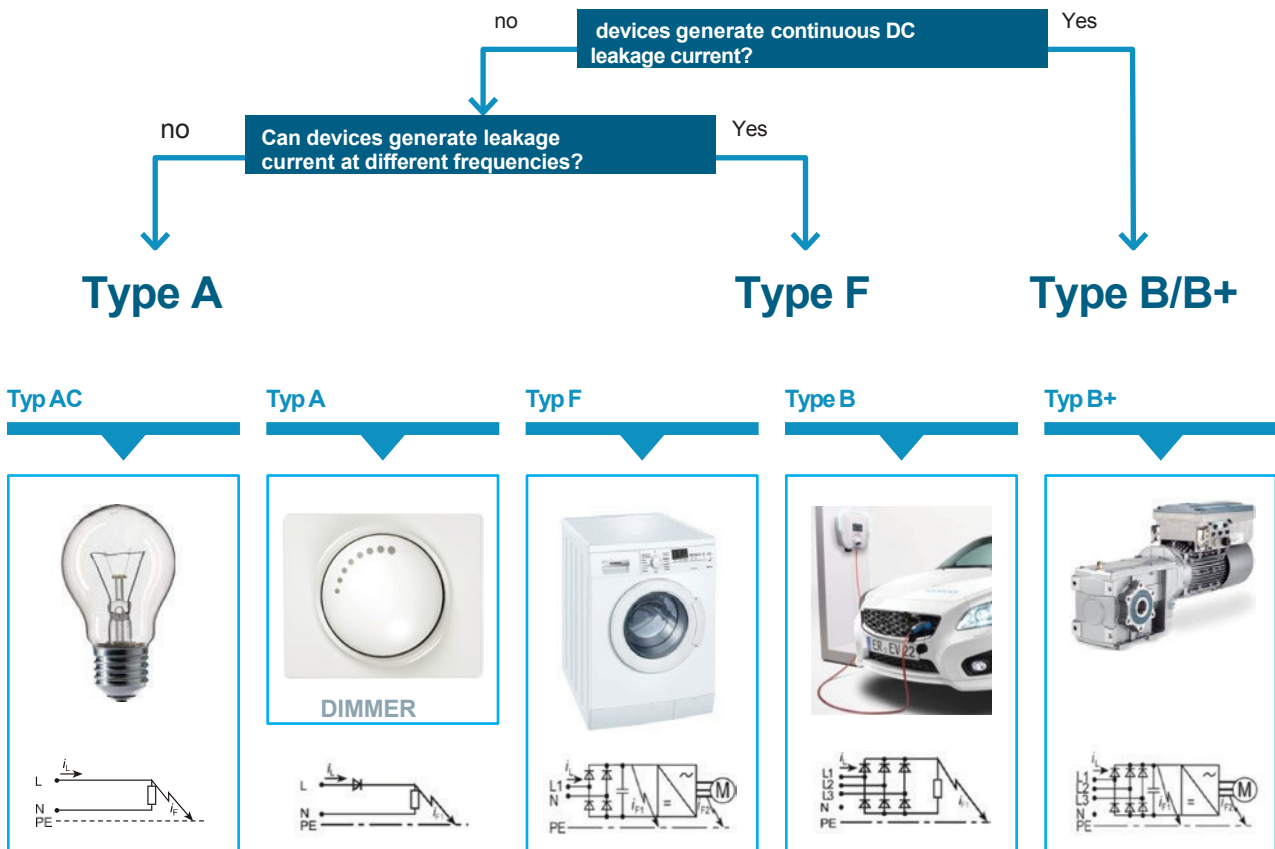
Note : In case of AC type residual current protection relay requests, you can contact your sales representative or our customer support line at 444 0 747.

Correct type residual current protection relay selection



Which residual current protection relay should I choose?

All loads/devices in an electrical circuit must be checked for compatibility with the type of residual current protective relay protecting the circuit.



SENTRON protection devices

Residual current protection relays

Material Type	Threshold Current $I_{\Delta n}$ (mA)	Nominal Voltage U_n (V)	Rated Current I_n (A)	TE*	Order No	Min. Order quantity
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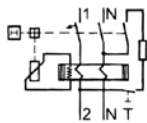
LEAKAGE CURRENT PROTECTION RELAYS

Single-phase, Phase+ Neutral Type A residual current protection relay



5SV331.
5SV361.

Single-phase,
Phase+Neutral
Connection



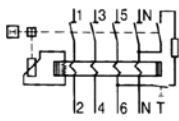
10	230	16	2	5SV3111-6	1
30	230	16	2	5SV3311-6	1
		25		5SV3312-6	1
		40		5SV3314-6	1
		63		5SV3316-6	1
		80		5SV3317-6	1
300	230	25	2	5SV3612-6	1
		40		5SV3614-6	1
		63		5SV3616-6	1
		80		5SV3617-6	1

Three-phase, 3 Phase+ Neutral A-type residual current protection relay



5SV334.
5SV364.

Three-phase
3 Phase + Neutral Connection



30	400	25	4	5SV3342-6	1
		40		5SV3344-6	1
		63		5SV3346-6	1
		80		5SV3347-6	1
		100		5SV3348-6	1
		125		5SV3345-6	1
300	400	25	4	5SV3642-6	1
		40		5SV3644-6	1
		63		5SV3646-6	1
		80		5SV3647-6	1
		100		5SV3648-6	1
		125		5SV3645-6	1

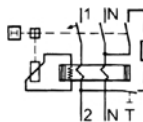
Material Type	Threshold Current $I_{\Delta n}$ (mA)	Nominal Voltage U_n (V)	Rated Current I_n (A)	TE*	Order No	Min. Order quantity
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Single-phase, Phase+ Neutral SELECTIVE Type A residual current protection relay



5SV3644-8

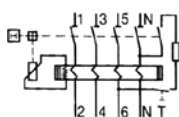
Single-phase,
Phase+Neutral
Connection



300	230	25	2	5SV3612-8	1
		40		5SV3614-8	1
		63		5SV3616-8	1
		80		5SV3617-8	1

Three-phase, 3 Phase+ Neutral SELECTIVE Type A residual current protection relay

Three-phase
3 Phase + Neutral Connection



300	400	25	4	5SV3642-8	1
		40		5SV3644-8	1
		63		5SV3646-8	1
		80		5SV3647-8	1

Note : In case of AC type residual current protection relay requests, you can contact your sales representative or our customer support line at 444 0 747.

SENTRON protection devices

Residual current protection relays

Automatics with residual current protection relay

Material Type	Order No	Min. Order quantity
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SIQUENCE RESIDUAL PROTECTION RELAYS

(Frequency converters, UPS systems, medical devices)

SIQUENCE series fault current protection switches are used to detect direct current or low wave fault currents that may occur in products such as **frequency converters, UPS systems, medical devices.**



5SV332...
5SV362...



5SV334...
5SV364...

16A, 30mA, single phase, type B, K, SIQUENCE	5SV3321-4	1
25A, 30mA, single phase, type B, K, SIQUENCE	5SV3322-4	1
40A, 30mA, single phase, type B, K, SIQUENCE	5SV3324-4	1
63A, 30mA, single phase, type B, K, SIQUENCE	5SV3326-4	1
16A, 300mA, single phase, type B, K, SIQUENCE	5SV3621-4	1
25A, 300mA, single phase, type B, K, SIQUENCE	5SV3622-4	1
40A, 300mA, single phase, type B, K, SIQUENCE	5SV3624-4	1
63A, 300mA, single phase, type B, K, SIQUENCE	5SV3626-4	1
25A, 30mA, three-phase, type B, K, SIQUENCE	5SV3342-4	1
40A, 30mA, three-phase, type B, K, SIQUENCE	5SV3344-4	1
63A, 30mA, three-phase, type B, K, SIQUENCE	5SV3346-4	1
80A, 30mA, three-phase, type B, K, SIQUENCE	5SV3347-4	1
25A, 300mA, three-phase, type B, K, SIQUENCE	5SV3642-4	1
40A, 300mA, three-phase, type B, K, SIQUENCE	5SV3644-4	1
63A, 300mA, three-phase, type B, K, SIQUENCE	5SV3646-4	1
80A, 300mA, three-phase, type B, K, SIQUENCE	5SV3647-4	1

Type B,K: Detects AC, DC and high frequency fault currents.

Please contact our sales department for different types of residual current protection relays.

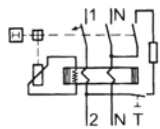
Material Type	Threshold Current $I_{\Delta n}(mA)$	Nominal Voltage $U_n (V)$	Rated Current $I(n) (A)$	TE*	Order No	Min. Order quantity
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WITH LEAKAGE CURRENT PROTECTION (DEVICES)



5SU13...
5SU16...
5SU67...

Single phase Type AC	Threshold Current $I_{\Delta n}(mA)$	Nominal Voltage $U_n (V)$	Rated Current $I(n) (A)$	TE*	Order No	Min. Order quantity
C 6A, 4.5 kA	30	240	6	2	5SU1353-1KK06	1
C 10A,			10		5SU1353-1KK10	1
C 16A,			16		5SU1353-1KK16	1
C 20A,			20		5SU1353-1KK20	1
C 25A,			25		5SU1353-1KK25	1
C 32A,			32		5SU1353-1KK32	1
C 40A,			40		5SU1353-1KK40	1
Single Phase Type AC	300	240	6	2	5SU1653-1KK06	1
C 10A,			10		5SU1653-1KK10	1
C 16A,			16		5SU1653-1KK16	1
C 20A,			20		5SU1653-1KK20	1
C 25A,			25		5SU1653-1KK25	1
C 32A,			32		5SU1653-1KK32	1
C 40A,			40		5SU1653-1KK40	1



5ST3805-1

Latch lock for 5SU		5ST3801-1	1
Spacer required for 5ST3010 auxiliary contact installed on 5SU series residual current protection relay Miniature Circuit Breakers (1 set= 5 pieces)		5ST3805-1	1 Set

Note : 5ST3010 auxiliary contact can be installed with 5ST3805-1 spacer to 5SU series automatons with residual current protection relay. (1 NO + 1NC)

TE* is the width unit for 1 vending machine and is 18 mm.

SENTRON protection devices

Arc fault detection devices

Residual current protection combinations



5SV13...

Material Type	Threshold Current $I_{\Delta n}$ (mA)	Nominal Voltage U_n (V)	Rated Current I_n (A)	TE*	Order No		Min. Order quantity
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FUSES WITH LEAKAGE CURRENT PROTECTION

Single phase 4.5 kA C opening curve
Type A

30	230	2	1	5SV1313-7KK02		1
		4		5SV1313-7KK04		1
		6		5SV1313-7KK06		1
		10		5SV1313-7KK10		1
		16		5SV1313-7KK16		1



5SV60...

Material Type	Rated Current I_n (A)	TE*	Order No		Min. Order quantity
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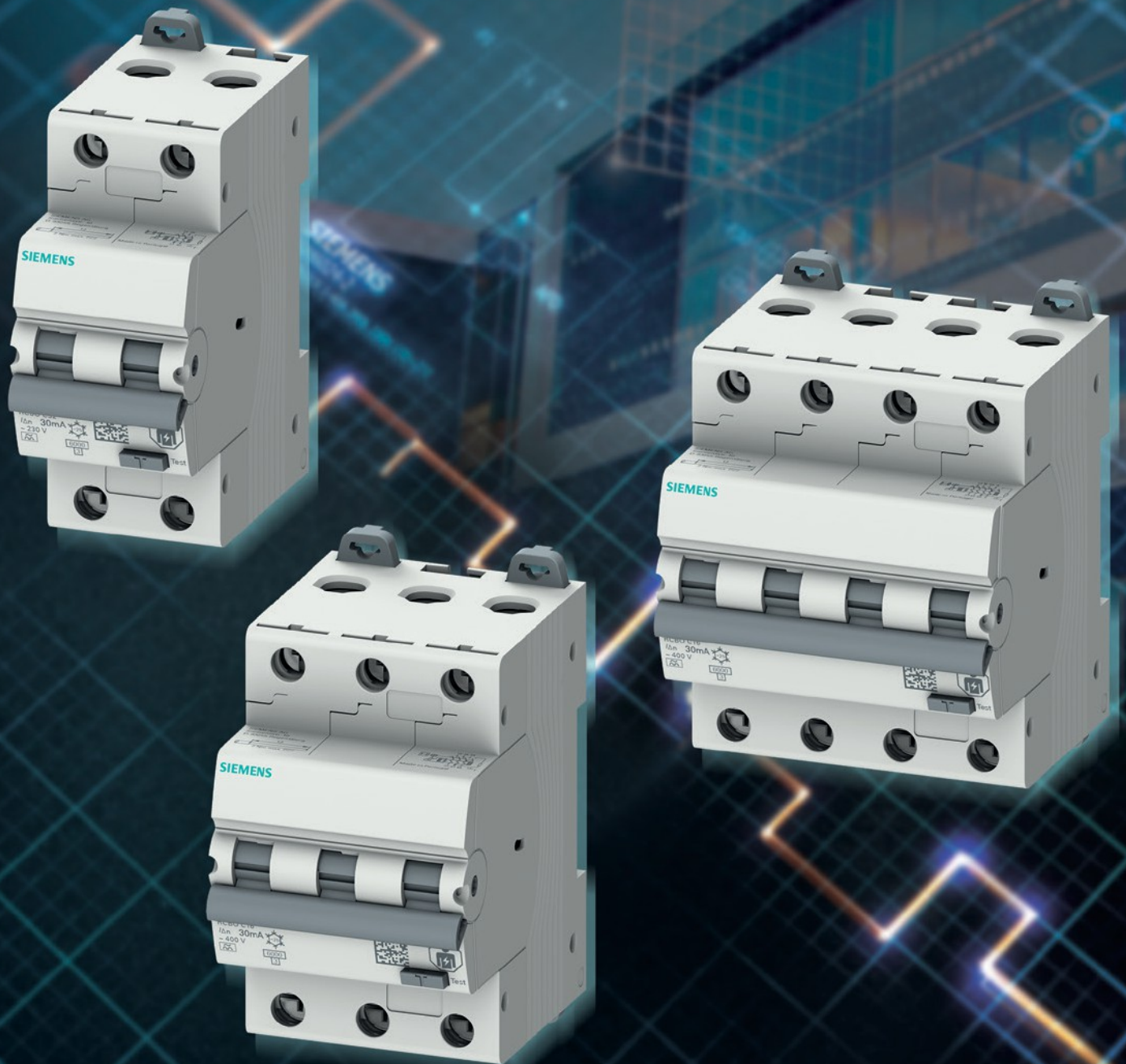
ARC FAULT DETECTION DEVICES

Single phase 6 kA C opening curve

6	1	5SV6016-7KK06		1
10	1	5SV6016-7KK10		1
16	1	5SV6016-7KK16		1
20	1	5SV6016-7KK20		1
25	1	5SV6016-7KK25		1
32	1	5SV6016-7KK32		1
40	1	5SV6016-7KK40		1

Note : The arc fault detection device provides increased safety in case of insulation faults or loose contacts in electrical installations caused by screws or nails, loose contacts and terminals, tight cable bending radii, fixing clamps, UV radiation, cable jams, etc.

TE* is the width unit for 1 vending machine and is 18 mm.



Your safety is assured with our new type A combination protection devices!

Meet our 2P, 3P and 4P type A residual current protection and automatic fuse combi devices.

SIEMENS

SENTRON protection devices

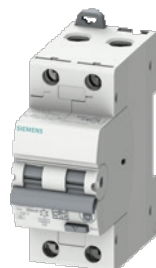
Automatic fuses

Material Type	Number of Poles	Threshold Current $I_{\Delta n}$ (mA)	Nominal Voltage U_n (V)	Rated Current I_n (A)	TE*	Order No	Order No	Min. Order quantity
						B Opening Characteristic	C Opening Characteristic	

AUTOMATA WITH LEAKAGE CURRENT PROTECTION

Type A and 6 kA Residual Current Protection and Automatic Fuse Combination Devices (RCBO)	2	30 mA	230	6	2	5SU1326-6FP06	5SU1326-7FP06	1
				10		5SU1326-6FP10	5SU1326-7FP10	1
				16		5SU1326-6FP16	5SU1326-7FP16	1
				20		5SU1326-6FP20	5SU1326-7FP20	1
				25		5SU1326-6FP25	5SU1326-7FP25	1
	3	30 mA	400	6	3	5SU1326-6FP32	5SU1326-7FP32	1
				6		5SU1336-6FP06	5SU1336-7FP06	1
				10		5SU1336-6FP10	5SU1336-7FP10	1
				16		5SU1336-6FP16	5SU1336-7FP16	1
				20		5SU1336-6FP20	5SU1336-7FP20	1
	3	300 mA	400	25	3	5SU1336-6FP25	5SU1336-7FP25	1
				32		5SU1336-6FP32	5SU1336-7FP32	1
				6		5SU1636-6FP06	5SU1636-7FP06	1
				10		5SU1636-6FP10	5SU1636-7FP10	1
				16		5SU1636-6FP16	5SU1636-7FP16	1
	4	30 mA	400	20	4	5SU1636-6FP20	5SU1636-7FP20	1
				25		5SU1636-6FP25	5SU1636-7FP25	1
				32		5SU1636-6FP32	5SU1636-7FP32	1
				6		5SU1346-6FP06	5SU1346-7FP06	1
				10		5SU1346-6FP10	5SU1346-7FP10	1
4	300 mA	400	16	4	5SU1346-6FP16	5SU1346-7FP16	1	
			20		5SU1346-6FP20	5SU1346-7FP20	1	
			25		5SU1346-6FP25	5SU1346-7FP25	1	
			32		5SU1346-6FP32	5SU1346-7FP32	1	
			6		5SU1646-6FP06	5SU1646-7FP06	1	
4	300 mA	400	10	4	5SU1646-6FP10	5SU1646-7FP10	1	
			16		5SU1646-6FP16	5SU1646-7FP16	1	
			20		5SU1646-6FP20	5SU1646-7FP20	1	
			25		5SU1646-6FP25	5SU1646-7FP25	1	
			32		5SU1646-6FP32	5SU1646-7FP32	1	

TE* is the width unit for 1 vending machine and is 18 mm.



5SU1326



5SU1336



5SU1346

SENTRON protection devices

Auxiliary equipment

Material Type	Order No	Min. Order quantity
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AUXILIARY EQUIPMENT

Auxiliary equipment for product groups 5SV3 and 5SV4

Auxiliary Contacts

1NO+1NC Auxiliary Contact	AC 230V, 6A
2NO Auxiliary Contact	AC 230V, 6A
2NC Auxiliary Contact	AC 230V, 6A

Fault Notification Contacts

1NO+1NC Fault Notification Contact	AC 230V, 6A
2NO Fault Notification Contact	AC 230V, 6A
2NC Fault Indication Contact	AC 230V, 6A

(5ST30 Auxiliary equipment can be fitted together.)

Latch Lock (for 5SL6)
Latch Lock (for 5SP4 and 5SY)
Padlock (for 5ST3801 and 5ST3806)
Contact Terminal Block (25 mm) ²

5ST3010	1
5ST3011	1
5ST3012	1
5ST3020	1
5ST3021	1
5ST3022	1
5ST3806	5
5ST3801	1
5ST3802	1
5ST3768	25



Common busbars for the 5SV product group

Joint Busbar, 16 mm², 214 mm, 12 TE, Cu busbar, capped, cuttable.

Single phase
Single phase and 1 auxiliary (or fault reporting) contact
Two phase
Two phase and 1 auxiliary (or fault reporting) contact
Three phase
Three phase and 1 auxiliary (or fault reporting) contact
Three phase + Neutral

5ST3700	1
5ST3702	1
5ST3704	1
5ST3706	1
5ST3708	1
5ST3711	1
5ST3715	1

Auxiliary contact for 100A and 125A residual current protection relays is not compatible.

Auxiliary equipment of 5SV series automatic fuses is not limited to the above. Please contact our sales department for other auxiliary equipment.

NO : Closing contact (Normally open) NC : Opening contact (Normally closed)

TE: Width unit for 1 automaton and is 18 mm.



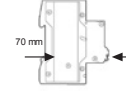
SENTRON protection devices

Low voltage surge arresters

Material Type	Short Circuit Breaking Capacity In (8/20µs) (kA)	Protection Limit Voltage (kV)	TE*	Order No		Min. Order quantity
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LOW SURGE ARRESTERS

(Depth 70 mm.)



5SD7414-1

Surge Protective Surge Arresters for Low Voltage (Class B, Class I, Type 1)

2 for pole TT and TN-S systems, with inverter contact	100	1,5	4	5SD7412-1		1
3 for TN-C systems with poles, with inverter contact	75	1,5	6	5SD7413-1		1
4 for pole TT and TN-S systems, with inverter contact	100	1,5	8	5SD7414-1		1



5SD7444-1

Combined Surge Arresters for Low Voltage (Class B, Class I, Type 1 and Class C, Class II, Type 2)

2 for pole TT and TN-S systems, with inverter contact	100	1,5	4	5SD7442-1		1
3 for TN-C systems with poles, with inverter contact	75	1,5	6	5SD7443-1		1
4 for pole TT and TN-S systems, with inverter contact	100	1,5	8	5SD7444-1		1



5SD7464-1

Surge Limiter Surge Arresters for Low Voltage (Class C, Class II, Type 2)

1 pole	20	1,4	1	5SD7461-0		1
1 pole, with inverting contact	20	1,4	1	5SD7461-1		1
1 pole, N/PE	20	1	1	5SD7481-0		1
3-pole, 3+0 circuit for TN-C Systems	20	1,4	3	5SD7463-0		1
3-pole, 3+0 circuit for TN-C Systems, with inverter contact	20	1,4	3	5SD7463-1		1
4 poles, 3+1 circuit for TT and TN-S Systems	20	1,4	4	5SD7464-0		1
4-pole, 3+1 circuit for TT and TN-S Systems, with inverter contact	20	1,4	4	5SD7464-1		1

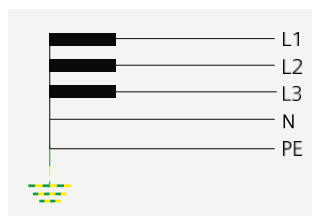


5SD7434-1

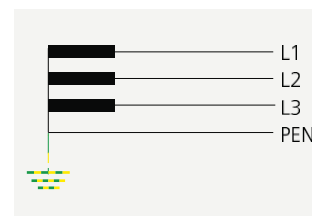
Surge Limiter Surge Arresters for Low Voltage (Class D, Class III, Type 3)

2-pole, with inverter contact	3	1,5	1	5SD7432-7		1
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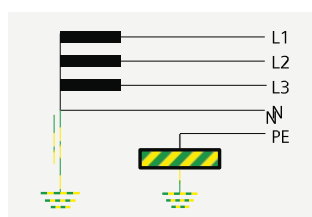
Please contact our sales department for protection terminals.



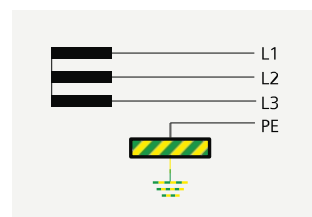
TN-S System



TN-C System



TT System



IT System

SENTRON switching devices

INSTA Contactors

Remote control impulse current switches



5TT5800-0



5TT5830-0



5TT5840-0

Material Type	Operating Voltage U _e V AC	Operating Current I _e V AC	Control Voltage U _c V AC	Contact		TE *	Order No		Min. Order quantity
				NO	NC				

INSTA CONTACTORS

- In residences, hotels, hospitals etc... used in places, mounted on standard 35 mm rail
- mini Contactors
 - Control Voltage: (0.85...1.1)xU_c
 - 50/60 Hz
 - Mechanical on-off life: 3 million
 - Operating temperature -5...+55 °C
 - Protection class IP20

250	20	230	2	-	1	5TT5800-0		1
			1	1		5TT5801-0		1
			-	2		5TT5802-0		1
440	25	230	4	-	2	5TT5830-0		1
			3	1		5TT5831-0		1
			2	2		5TT5832-0		1
			-	4		5TT5833-0		1
440	40	230	4	-	3	5TT5840-0		1
			3	1		5TT5841-0		1
			2	2		5TT5842-0		1
			-	4		5TT5843-0		1
440	63	230	4	-	3	5TT5850-0		1
			3	1		5TT5851-0		1
			2	2		5TT5852-0		1
			-	4		5TT5853-0		1

Auxiliary Contacts for 5TT58 Series INSTA Contactors

INSTA Contactor can be fitted with a maximum of 1 contact

230	6	-	2	-	0,5	5TT5910-0		1
AC-15	4in AC-15							
230	6	-	1	1	0,5	5TT5910-1		1
AC-15	4in AC-15							

Please contact our sales department for other INSTA Contactors.

Material Type	Operating Voltage U _e V AC	Operating Current I _e V AC	Control Voltage U _c V AC	Contact		TE *	Order No		Min. Order quantity
				NO	NC				

REMOTE CONTROL IMPULSE CURRENT SWITCHES



5TT4101-0



5TT4104-0



5TT4900

- Control Voltage: (0.85...1.1)xU_c 50,000
- on-off cycles under load
- Operating temperature -10...+40 °C
- Protection class IP20

250	16	230	1	-	1	5TT4101-0		1
400	16	230	2	-	1	5TT4102-0		1
400	16	230	3	-	2	5TT4103-0		1
400	16	230	4	-	2	5TT4104-0		1
250	16	230	1	1	1	5TT4105-0		1

Please contact our sales department for remote control impulse current switches with other control voltages.

Contact for Remote Control Impulse Current Switches

1 CO	250	5	-	-	-	0,5	5TT4900		1
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*TE is the width unit for 1 vending machine and is 18 mm.

SENTRON protection devices

Cylindrical fuses

Material Type	Measure mmxmm	Number of Poles	Rated Current I _(n) (A)	TE*	Order No	Min. Order quantity
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(CARTRIDGE FUSES)

Cylindrical Fuse Housings (Cartridge Fuse Housings)



3NW7053

Used in control circuits, measuring instruments, etc. Cannot be switched on and off under load.

Used in control circuits, measuring instruments, etc. Cannot be switched on and off under load.	8x32	1	20	1	3NW7313	1
		1+N		1	3NW7353	1
		3		3	3NW7333	1
	10x38	1	32	1	3NW7013	1
		1+N		1	3NW7053	1
		3		3	3NW7033	1
	14x51	1	50	1,5	3NW7111	1
		1+N		3	3NW7151	1
		3		4,5	3NW7131	1
22X58	1	100	2	3NW7211	1	
	1+N		4	3NW7251	1	
	3		6	3NW7231	1	

Short circuit breaking capacity: 20 kA for 3NW73, 100 kA for 3NW70, 3NW71 and 3NW72.

Auxiliary Contacts for Cylindrical Fuse Holders (Cartridge Fuse Holders)



3NW7901

8x32 and 10x38	-	6	0,5	3NW7903	1
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*TE is the width unit for 1 vending machine and is 18 mm.

NO : Closing contact (Normally open) NC : Opening contact (Normally closed) CO: Inverting contact

Material Type	Measure mmxmm	Rated Voltage U _n (V)	Rated Current I _(n) (A)	Order No	Min. Order quantity
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Cylindrical Fuses (Cartridge Fuses)

Fuses used for Cylindrical Fuse Housings Operating Class : gG

Control circuits, in measuring instruments, etc.

8x32	400	2	3NW6302-1	10		
		4	3NW6304-1	10		
		6	3NW6301-1	10		
		10	3NW6303-1	10		
		16	3NW6305-1	10		
		20	3NW6307-1	10		
		10x38	500	2	3NW6002-1	10
				4	3NW6004-1	10
				6	3NW6001-1	10
				8	3NW6008-1	10
10	3NW6003-1			10		
12	3NW6006-1			10		
16	3NW6005-1			20		
20	3NW6007-1			20		
25	3NW6010-1			20		
14x51	400			32	3NW6012-1	20
		40	3NW6117-1	10		
		50	3NW6120-1	10		
22X58	500	63	3NW6222-1	10		
		80	3NW6224-1	10		
		100	3NW6230-1	10		

Short circuit breaking capacity: 20 kA for 400 V and 100 kA for 500 V.



3NW6003-1



3NW6003-1



3NW6120-1



3NW6230-1

SENTRON protection devices

MINIZED and NEOZED fuses - Grounded receptacle

Operating hour counter - Switchgear clocks



5SG761.



5SG7133

Material Type	Size	Number of Poles	Rated Current ₁ in (A)	TE*	Order No	Min. Order quantity
MINIZED LOAD SEPARATORS and NEOZED INSURANCES						

MINIZED Load Separators (Excluding NEOZED Fuse)

Rated voltage up to: 230/400 V AC
Control circuits, used in measuring instruments, etc.

D01	1	16	1	5SG7611-0KK16	12
	1+N		2	5SG7651-0KK16	6
	2		2	5SG7621-0KK16	6
	3		3	5SG7631-0KK16	4
	3+N		4	5SG7661-0KK16	3
D02	1	63	1.5	5SG7113	1
	1+N		3	5SG7153	1
	2		3	5SG7123	1
	3		4.5	5SG7133	1
	3+N		6	5SG7163	1

Note : 5ST3010 auxiliary contact can be installed on D02 Size MINIZED Load Breakers (1NO+1NC)
*TE is the width unit for 1 vending machine and is 18 mm.

Material Type	Size	Rated Current ₁ in(A)	Color	Order No	Min. Order quantity
NEOZED Fuses (for MINIZED Load Breakers)					

Fuses used for MINIZED 400 V AC, 250 V DC
Operating class:gG
Short Circuit Breaking Capacity:50kA AC, 8 kA DC

D01	2	Pink	5SE2302	10
	4	Brown	5SE2304	10
	6	Green	5SE2306	10
	10	Red	5SE2310	10
	16	Gray	5SE2316	10
D02	20	Blue	5SE2320	10
	25	Yellow	5SE2325	10
	32	Black	5SE2332	10
	35	Black	5SE2335	10
	40	Black	5SE2340	10
	50	White	5SE2350	10
	63	Copper	5SE2363	10



D01



D02



5TE6800

5TE6801

Material Type	Order No	Min. Order quantity
 GROUNDED (SUITABLE FOR		

Grounded Socket 250 V AC, 16 A, 2.5 TE*

5TE6800

1

Covered Grounded Socket 250 V AC, 16 A, 2.5 TE*

5TE6801

1

COUNTER		
<ul style="list-style-type: none"> 00000.00h counter for control panels. Uc=230V AC 50Hz Mounting depth 34mm Control panel window cutout 45.2mm x 45.2mm Protection is IP 65, IP 20 in terminal blocks. Business hour counter frame 55x55mm 	7KT5502	1
	7KT9020	1

Please contact our sales department for operating hour meters with different voltages and frequencies.



7KT5502



7LF4...



7LF5...

Material Type	Operating Voltage Ue V AC	Operating Current Ie A AC	Control Voltage Uc V AC	Contact	TE*	Order No	Min. Order quantity
SHUTTING CLOCK							

Weekly Digital Switchgear Clock

28 programs, 50 hours reserve	250	16	230	1 CO	2	7LF4511-0	1
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Daily Mechanical Switchgear

No reserve	250	16	230	1 NO	1	7LF5300-1	1
100 hours reserve	250	16	230	1 NO	1	7LF5301-1	1

Please contact our sales department for other switchgears.

*TE is the width unit for 1 vending machine is 18 mm.

NO: Closing contact (Normally open) NC: Opening contact (Normally closed) CO: Inverting contact
Parmley Graham Ltd

SENTRON protection devices

NH - Blade fuses



3NA6...



3NA38.

Size	Width (mm)	Rated Voltage Un(A)	Rated Current in(A)	Normal Type		Double Indicator and Insulated Cover Type		Min. Order quantity
				Order No		Order No	Unit Price TL	

FUSES WITH STEATITE (CERAMIC)

NH-Bladed Fuse Bushings-gL/gG

000	21	500 V AC/250 V DC	2	3NA3802		3NA6802		3
			4	3NA3804		3NA6804		3
			6	3NA3801		3NA6801		3
			10	3NA3803		3NA6803		3
			16	3NA3805		3NA6805		3
			20	3NA3807		3NA6807		3
			25	3NA3810		3NA6810		3
			32	3NA3812		3NA6812		3
			35	3NA3814		3NA6814		3
			40	3NA3817		3NA6817		3
			50	3NA3820		3NA6820		3
			63	3NA3822		3NA6822		3
			80	3NA3824		3NA6824		3
			100	3NA3830		3NA6830		3
			125	3NA3832		3NA6832		3
			160	3NA3836		3NA6836		3
			80	3NA3124		3NA6124		3
			100	3NA3130		3NA6130		3
			125	3NA3132		3NA6132		3
			160	3NA3136		3NA6136		3
1	30	500 V AC/250 V DC	200	3NA3140		3NA6140		3
			250	3NA3144		3NA6144		3
			200	3NA3240		3NA6240		3
			250	3NA3244		3NA6244		3
			300	3NA3250		3NA6250		3
			315	3NA3252		3NA6252		3
			400	3NA3260		3NA6260		3
			500	3NA3365		-	-	3
			630	3NA3372		-	-	3
			2	47,2		800	3NA3475	
1000	3NA3480					-	-	1
1250	3NA3482					-	-	1

NH-Bladed Fuse Single Phase Substrates*

000.00	34	690 V AC/250 V DC	160	3NH3030			3
1	49	690 V AC/440 V DC	250	3NH3230			3
2			400	3NH3330			1
3			630	3NH3430			1
4	102		1250	3NH3530			1

³Steatite (Ceramic) body

³Pure and high quality Quartz filler sandy

³Rated short circuit breaking capacity AC 120kA

³Low power losses

³High sensitivity and selective

In addition to the above advantages of the 3NA6 Series dual indicator NH-Blade Fuse plugs;

³With additional front surface flag indicator

³With top and bottom cover

³Current limiting

³Silver-plated contacts

³In full compliance with DIN VDE 0636 and IEC 60269

* Rated voltage of NH-Blade fuse single-phase bases used with SITOR Fast Fuses: 1000V AC Please contact our sales department for different NH-Blade fuse bushings and bases.



3NH3030



3NH3330



3NH3430



3NH3530

SENTRON protection devices

NH - Blade fuses



3NE18...



3NE12...



3NE13...



3NE32...



3NE33.

Length of Blade Fuse Monophase Substrates to be used	Width (mm)	Rated Current In(A)	Order No		Min. Order quantity
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SITOR QUICK FUSE BUFFONS (Blade Type- 690 V ACgS)

000	21	16	3NE1813-0		3			
		20	3NE1814-0		3			
		25	3NE1815-0		3			
		35	3NE1803-0		3			
		40	3NE1802-0		3			
		50	3NE1817-0		3			
00	30	63	3NE1818-0		3			
		80	3NE1820-0		3			
		100	3NE1021-0		3			
		125	3NE1022-0		3			
		1	52		160	3NE1224-0		3
					200	3NE1225-0		3
250	3NE1227-0			3				
2	60	315	3NE1230-0		3			
		350	3NE1331-0		3			
		400	3NE1332-0		3			
3	71,2	450	3NE1333-0		3			
		500	3NE1334-0		3			
		630	3NE1436-0		3			
		710	3NE1437-0		3			

SITOR QUICK FUSE BUFFONS (Blade Type / M10- 1000 V AC*aR)

1	52	250	3NE3227		3
		315	3NE3230-0B		3
2	60	350	3NE3231		3
		400	3NE3232-0B		3
		450	3NE3233		3
		500	3NE3334-0B		3
		560	3NE3335		3
		630	3NE3336		3
3	710	710	3NE3337-8		3
		800	3NE3338-8		3
		900	3NE3340-8		3

Operating Class aR: Provides protection against short circuit only. Additional measures must be taken to protect the circuit against overcurrents.

* Rated voltage 900 V AC for 3NE3337-8

* Rated voltage 800 V AC for 3NE3338-8

* Rated voltage 690 V AC for 3NE3340-8

Rated voltage of NH-Bladed fuse single-phase bases used with SITOR Fast Fuses: 1000V AC

For other rated current and rated voltage SITOR fast fuses, please contact our sales department. Note: For the above SITOR fuses, NH-Bladed fuse single-phase bases are used.

SENTRON protection devices

NH - Auxiliary equipment for blade fuses DIAZED fuses



3NX1015



3NX202...



3NG1...



5SB2...



5SB4...
5SC2...



5SH1.

Material Type	Order No		Min. Order quantity
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AUXILIARY EQUIPMENT FOR NH-BLADE INSURANCES

Clamp (Elik)

Size 000, 00, for 1, 2, 3 and 4

Separator Plate

Size 000, 00

Size 1

Size 2

Size 3

Contact Cover

Size 000, 00

Size 1

Size 2

Size 3

Insulated Pass Bar

Size 000, 00

Size 1

Size 2

Size 3

Size 4 (Uninsulated)

3NX1015		1
3NX2023		2
3NX2024		2
3NX2025		2
3NX2026		2
3NX3105		2
3NX3106		2
3NX3107		2
3NX3108		2
3NG1002		1
3NG1202		1
3NG1302		1
3NG1402		1
3NG1503		1

Material Type	Rated Current (A)	Order No	Min. Order quantity
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PORCELAIN DIAZED INSURANCES

Insurance Bushing Delayed

500 V DII / E27

2	5SB211	25
4	5SB221	25
6	5SB231	25
10	5SB251	25
16	5SB2611	25
20	5SB2711	25
25	5SB2811	25
35	5SB4111	25
50	5SB4211	25

DIII / E33

Standard Fuse Cover

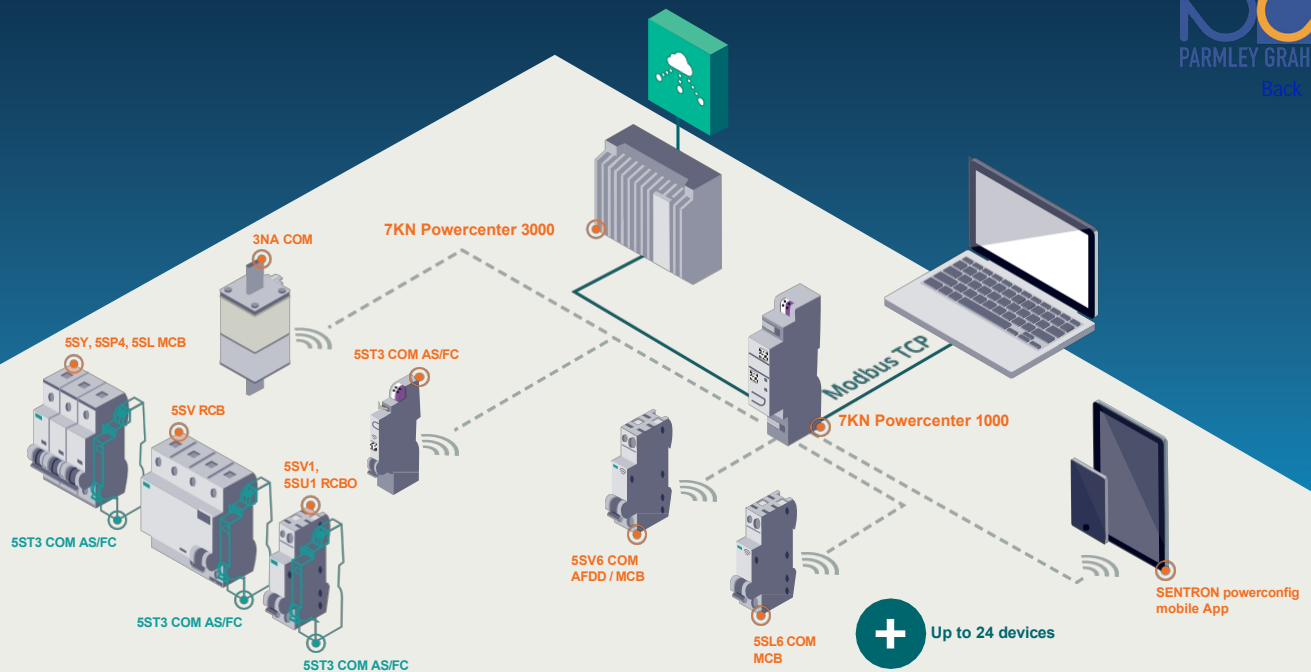
500V DII / E27
DIII / E33

25	5SH122	50
63	5SH123	30

Viscontak

500V
Pink
Coffee
Green
Red
Gray
Blue
Yellow
Yellow
Black
White
Copper

2	5SH310	25
4	5SH311	25
6	5SH312	25
10	5SH313	25
16	5SH314	25
20	5SH315	25
25	5SH316	25
35	5SH317	25
50	5SH318	25
63	5SH320	25



Next Generation SENTRON Protection Devices with Communication and Measurement Features

Increasing Transparency and System Availability

The 5SL6 COM miniature circuit breakers and 5SV6 COM AFDDs not only protect against short circuits, overcurrent and arc faults, but also have measurement and communication functions. This helps to increase availability and improve the planning of maintenance work. Standard SENTRON circuit protection devices can be easily extended with 5SST3 COM auxiliary and fault signal contacts with communication.

Measured values from 24 communication-capable circuit protection devices in each 7KN Powercenter 1000 can be obtained and easily transferred to higher-level systems for further visualization and evaluation.

The 3NA COM LV HRC fuse link with communication capability brings digitalization to secondary substations, enabling the same size to be easily re-fitted into existing systems.

<p>Alarm signals when a limit value is exceeded</p>	<ul style="list-style-type: none"> • Error prevention with quick responses and countermeasures 	<p>Detection of current, voltage, mains frequency and temperature</p>	<ul style="list-style-type: none"> • Results for equipment failures at each ligne
<p>Working hour counter, working hour and trip counter</p>	<ul style="list-style-type: none"> • Planned replacement of circuit protection devices • Preventive care 	<p>The difference between a deliberate power outage and triggering due to faults</p>	<ul style="list-style-type: none"> • Streamlined, targeted and time-saving troubleshooting
<p>Measurement of energy and power values</p>	<ul style="list-style-type: none"> • Overview of energy consumption levels from mains supply to final load 		

SENTRON protection devices

With communication and measurement function

Order No	Nominal Voltage Un (V)	Communication Interface	TE*
SENTRON Powercenter 1000/1100 Data Collector			
NEW			



7KN1110

7KN1111

7KN1110-0MC00	(24) (VDC)	Bluetooth, Ethernet (Modbus TCP)	1
7KN1111-0MC00			1

Order No	Tip	Rated Current	TE*
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5SL6 COM Automatic Fuse with Measuring and Communication Function			
NEW			



5SL60..-7MC

5SL6002-7MC	C	2	1
5SL6004-7MC	C	4	1
5SL6006-7MC	C	6	1
5SL6010-7MC	C	10	1
5SL6016-7MC	C	16	1
5SL6020-7MC	C	20	1
5SL6025-7MC	C	25	1
5SL6032-7MC	C	32	1

Please contact our sales units for type B.

5SV6 COM Arc Detection Devices with Measurement and Communication Function			
NEW			



5SV6016-7MC16

5SV6016-7MC06	C	6	1
5SV6016-7MC10	C	10	1
5SV6016-7MC16	C	16	1
5SV6016-7MC20	C	20	1
5SV6016-7MC25	C	25	1
5SV6016-7MC32	C	32	1

Please contact our sales units for type B. 6 kA shear strength.

Order No	Height-Class	Rated Current	Width
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3NA COM Blade Fuse with Measuring and Communication Function			
NEW			



3NA3240-4KK01

3NA3230-4KK01	2-gG	100	59 mm
3NA3232-4KK01	2-gG	125	59 mm
3NA3236-4KK01	2-gG	160	59 mm
3NA3240-4KK01	2-gG	200	59 mm
3NA3242-4KK01	2-gG	224	59 mm
3NA3244-4KK01	2-gG	250	59 mm
3NA3252-4KK01	2-gG	315	59 mm

Order No	Type.	TE*
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5ST3 COM Remote Control and Accessory			
NEW			



5ST3072-0MC



5ST3062-0MC

5ST3072-0MC	Remote control	2
5ST3062-0MC	Auxiliary contact and fault signal	0,5

Please contact our sales department for the prices of all products on this page.

Up to 24 communicating devices can be used in 7KN Powercenter 1000/1100, taking into account the distances between devices.

TE* is the width unit for 1 vending machine and is 18 mm.

Overview



	SENTRON Powercenter 1000	5SL6 COM MCB	5ST3 COM AS+FC
Communication interfaces			
Wireless	■	■	■
Modbus TCP	■	-	-
Bluetooth	■	-	-
Gateway function	■	-	-
Mounting type			
Standard rail mounting	■	■	■
Busbar	-	-	-
Measurement and status values			
Breaker position status	-	■	■
Temperature	-	■	■
Current	-	■	-
Voltage	-	■	-
Frequency	-	■	-
Active, reactive and apparent power, power factor	-	■	-
Active and reactive energy	-	■	-
Monitoring values			
Working hour counter	■	■	■
Operating hours counter under load	-	■	-
Operating cycle counter	-	■	■
Trip counter	-	■	■
Short circuit trip counter	-	■	-
Limit monitoring alarm	■	■	■
Overload and short circuit detection	-	■	-
Leakage current detection	-	-	-
Arc fault detection	-	-	-
Switching function			
Remote switching	-	-	-
RCD test function	-	-	-
Insulation resistance measurement	-	-	-



	5SV6 COM AFDD/ MCB	3NA COM fuse	5ST3 COM remote control
Communication interfaces			
Wireless	■	■	■
Modbus TCP	-	-	-
Bluetooth	-	-	-
Gateway function	-	-	-
Mounting type			
Standard rail mounting	■	-	■
Busbar	-	■	-
Measurement and status values			
Breaker position status	■	-	■
Temperature	■	■	■
Current	■	■	-
Voltage	■	-	-
Frequency	■	-	-
Active, reactive and apparent power, power factor	■	-	-
Active and reactive energy	■	-	-
Monitoring values			
Working hour counter	■	■	■
Operating hours counter under load	■	■	-
Operating cycle counter	■	-	■
Trip counter	■	-	■
Short circuit trip counter	■	-	-
Limit monitoring alarm	■	■	■
Overload and short circuit detection	■	(-) 1)	-
Leakage current detection	-	-	-
Arc fault detection	■	-	-
Switching function			
Remote switching	-	-	■
RCD test function	-	-	■
Insulation resistance measurement	-	-	■

SIRIUS switching devices

SIRIUS 3RT Contactors

Size	Rated Power ⁽¹⁾ (kW)	Rated Current ⁽¹⁾ AC-3 (A)	Current I _{e(2)} AC-1 (A)	Auxiliary Contact NO NC	Order No	Min. Order quantity
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SIRIUS 3RT2 CONTACTORS (Coil Voltage 230V AC) Screw Connection



Size S00

Size : S00	3	7	18	1 -	3RT2015-1AP01	1
	3	7	18	- 1	3RT2015-1AP02	1
	4	9	22	1 -	3RT2016-1AP01	1
	4	9	22	- 1	3RT2016-1AP02	1
	5.5	12	22	1 -	3RT2017-1AP01	1
	5.5	12	22	- 1	3RT2017-1AP02	1
	7.5	16	22	1 -	3RT2018-1AP01	1
	7.5	16	22	- 1	3RT2018-1AP02	1
Size : S0	4	9	40	1 1	3RT2023-1AP00	1
	5.5	12	40	1 1	3RT2024-1AP00	1
	7.5	17	40	1 1	3RT2025-1AP00	1
	11	25	40	1 1	3RT2026-1AP00	1
	15	32	50	1 1	3RT2027-1AP00	1
	18.5	38	50	1 1	3RT2028-1AP00	1
Size : S2	18.5	41	60	1 1	3RT2035-1AP00	1
	22	51	70	1 1	3RT2036-1AP00	1
	30	65	80	1 1	3RT2037-1AP00	1
Size : S3	37	80	90	1 1	3RT2038-1AP00	1
	37	80	125	1 1	3RT2045-1AP00	1
	45	95	130	1 1	3RT2046-1AP00	1
	55	110	130	1 1	3RT2047-1AP00	1

Note If different coil voltages are required for contactors, B0 for AC24V and F0 for AC110V will be added to the 11th and 12th digits of the order numbers instead of P0. There will be no change in the list price.



Size S2



Size S3

SIRIUS 3RT1 CONTACTORS (Coil Voltage 230V AC /DC) Screw Connection



Size S12

For applications with frequency converters

Size : S6	55	115	160	2 2	3RT1054-1AP36	1
	75	150	185	2 2	3RT1055-6AP36	1
	90	185	215	2 2	3RT1056-6AP36	1
Size : S10	110	225	275	2 2	3RT1064-6AP36	1
	132	265	330	2 2	3RT1065-6AP36	1
	160	300	330	2 2	3RT1066-6AP36	1
Size : S12	200	400	430	2 2	3RT1075-6AP36	1
	250	500	610	2 2	3RT1076-6AP36	1

3TF6 CONTRACTORS (Coil Voltage 230V AC) Screw Connection

Size : S14	335	630	700	4 4	3TF6844-0CM7	1
	450	820	910	4 4	3TF6944-0CM7	1
	335	630	700	3 3	3TF6833-1QL7	1

SIRIUS DC COIL CONTACTORS (Coil Voltage 24V DC) Screw Connection



Size S0

Size : S00	3	7	18	1 -	3RT2015-1BB41	1
	3	7	18	- 1	3RT2015-1BB42	1
	4	9	22	1 -	3RT2016-1BB41	1
	4	9	22	- 1	3RT2016-1BB42	1
	5.5	12	22	1 -	3RT2017-1BB41	1
	5.5	12	22	- 1	3RT2017-1BB42	1
	7.5	16	22	1 -	3RT2018-1BB41	1
	7.5	16	22	- 1	3RT2018-1BB42	1
Size : S0	4	9	40	1 1	3RT2023-1BB40	1
	5.5	12	40	1 1	3RT2024-1BB40	1
	7.5	17	40	1 1	3RT2025-1BB40	1
	11	25	40	1 1	3RT2026-1BB40	1
	15	32	50	1 1	3RT2027-1BB40	1
	18.5	38	50	1 1	3RT2028-1BB40	1

Note: If different coil voltages are required for contactors, F4 for DC110V and W4 for DC48V will be added to the 11th and 12th digits of the order numbers instead of B4. There will be no change in the list price.

SIRIUS switching devices

SIRIUS 3RT Contactors



Size S2

Size	Rated Power ⁽¹⁾ (kW)	Rated Current ⁽¹⁾ AC-3 (A)	Current I _e ⁽²⁾ AC-1 (A)	Auxiliary Contact NO NC	Order No	Unit Price TL	Min. Order quantity
SIRIUS AC/DC CONTACTORS (Wide coil voltage range 20-33V AC/DC)							
Screw Connection							

Size : S2 (with integrated varistor)

Size : S3

18.5	41	60	1	1	3RT2035-1NB30		1
22	51	70	1	1	3RT2036-1NB30		1
30	65	80	1	1	3RT2037-1NB30		1
37	80	90	1	1	3RT2038-1NB30		1
37	80	125	1	1	3RT2045-1NB30		1
45	95	130	1	1	3RT2046-1NB30		1
55	110	130	1	1	3RT2047-1NB30		1

(1) Rated power in AC-2 and AC-3 use category (asynchronous motor power and rated current at 400V/50Hz)

(2) I_e is the maximum current value that the contacts can switch up to 690V operating voltage at AC-1 at 40 °C, ambient temperature.

Size	Rated Current (AC-1) (A)	Auxiliary Contact NO NC	Order No	Min. Order quantity
------	--------------------------	-------------------------	----------	---------------------

SIRIUS 4 POLE AC-1 CONTRACTORS (Non-inductive loads)

S00	18	-	-	3RT2316-1AP00	1
S00	22	-	-	3RT2317-1AP00	1
S0	35	1	1	3RT2325-1AP00	1
S0	40	1	1	3RT2326-1AP00	1
S0	50	1	1	3RT2327-1AP00	1
S2	60	1	1	3RT2336-1AP00	1
S2	110	1	1	3RT2337-1AP00	1
S3	140	1	1	3RT2346-1AP00	1
S3	160	1	1	3RT2348-1AP00	1
S6	200	2	2	3RT1355-6AP36	1
S10	275	2	2	3RT1363-6AP36	1
S10	350	2	2	3RT1364-6AP36	1
S12	400	2	2	3RT1373-6AP36	1
S12	500	2	2	3RT1374-6AP36	1
S12	525	2	2	3RT1375-6AP36	1

Note: Coil voltage of 3RT23 type contactors is AC 230V.

Coil voltage of 3RT13 type contactors is AC/DC 100/250V. Mechanical locks will be selected from Page 31 according to product sizes.

Size	Rated Current (AC-1) (A)	Auxiliary Contact NO NC	Order No	Min. Order quantity
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SIRIUS 3 POLE AC-1 CONTRACTORS (Non-inductive loads)

S3	140	1	1	3RT2446-1AP00	1
S3	160	1	1	3RT2448-1AP00	1
S6	275	2	2	3RT1456-6AP36	1
S10	400	2	2	3RT1466-6AP36	1
S10	500	2	2	3RT1467-6AP36	1
S12	690	2	2	3RT1476-6AP36	1
	900	2	2	3RT1481-6AP36	1
	1050	2	2	3RT1482-6AP36	1
	1260	2	2	3RT1483-6AP36	1
	1700	2	2	3RT1485-6AP36	1
	2100	2	2	3RT1486-6AP36	1
	2650	2	2	3RT1487-6AP36	1

Note: Coil voltage of 3RT24 type contactors is AC 230V.

Coil voltage of 3RT14 type contactors is AC/DC 220V.



3RT23...-

3RT13...-



3RT.4...-

SIRIUS switching devices

SIRIUS 3RH auxiliary contactors and contactor accessories



3RH21...-

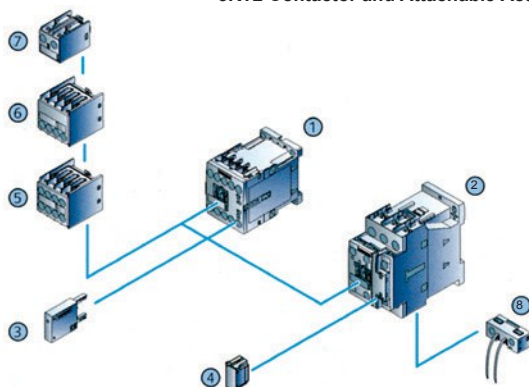
Voltage (V)	Contact NO NC	Current (AC-12)	Order No	Min. Order quantity
SIRIUS 3RH AUXILIARY CONTACTORS				
Auxiliary Contactors Size S00				
Screw Connection				
230 V AC	4NO	10A	3RH2140-1AP00	1
	3NO-1NC		3RH2131-1AP00	
	2NO+2NC		3RH2122-1AP00	
24 V DC	4NO	10A	3RH2140-1BB40	1
	3NO-1NC		3RH2131-1BB40	
	2NO+2NC		3RH2122-1BB40	
110 V AC	4NO	10A	3RH2140-1AF00	1
	3NO-1NC		3RH2131-1AF00	
	2NO+2NC		3RH2122-1AF00	
110 V DC	4NO	10A	3RH2140-1BF40	1
	3NO-1NC		3RH2131-1BF40	
	2NO+2NC		3RH2122-1BF40	
24 V AC	4NO	10A	3RH2140-1AB00	1
	3NO-1NC		3RH2131-1AB00	
	2NO+2NC		3RH2122-1AB00	



3RH2911-1FA...

Size	Contact NO NC	Order No	Price TL	Min. Order quantity
AUXILIARY CONTACT BLOCKS				
Types that can be installed on all SIRIUS 3RT Contactors and Auxiliary Contactors				
Screw Connection				
Size S00-S3	2NO+2NC	3RH2911-1FA22		1
Size S00-S3	4NO	3RH2911-1FA40		1
Size S00-S3	4NC	3RH2911-1FA04		1
Size S00-S3	1NO	3RH2911-1AA10		1
Size S00-S3	1NC	3RH2911-1AA01		1
Size S00-S3	1NO+1NC	3RH2911-1HA11		1
Size S00-S3	1NO+1NC	3RH2911-1LA11		1
Size S00-S3	2NO	3RH2911-1LA20		1
Size S00-S3	1NO+3NC	3RH2911-1HA13		1
Size S00-S3	3NO+1NC	3RH2911-1HA31		1
Size S00	2NO (Side mounting)	3RH2911-1DA20		1
Size S00	2NC (Side mounting)	3RH2911-1DA02		1
Size S00	1NO+1NC (Side mounting)	3RH2911-1DA11		1
Size S00-S3	1NO+1NC (Side mounting)	3RH2921-1DA11		1
Size S00-S3	2NO (Side mounting)	3RH2921-1DA20		1
Size S6-S12	1NO+1NC (Side mounting)	3RH1921-1DA11		1
Size S6-S12	1NO+1NC (Side mounting)	3RH1921-1EA11		1
Size S6-S12	2NO (Side mount)	3RH1921-1EA20		1
Size S6-S12	1NO (Front mount)	3RH1921-1CA10		1
Size S6-S12	1NC (Front mount)	3RH1921-1CA01		1

3RT2 Contactor and Attachable Accessories



Attachable Accessories

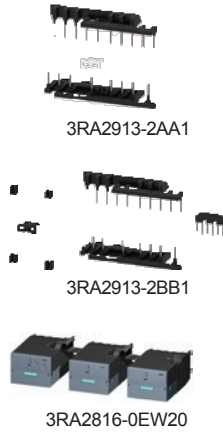
- ① Contactor Size SOO Contactor
- ② Size SO
- ③ Undervoltage limiting with/without Led/Led Size
- ④ SOO Undervoltage limiting with/without Led/Led
- ⑤ Size SO 4-pole auxiliary contact
- ⑥ 2-pole auxiliary contact 1-
- ⑦ pole auxiliary contact Coil
- ⑧ connection module

SIRIUS switching devices

SIRIUS 3RT contactor accessories

Material Type	Size	Order No	Min. Order quantity
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CONTRACTOR CONNECTION KITS (Pole)



Connection kit for FORWARD-REVERSE turn

S00	3RA2913-2AA1	1
S0	3RA2923-2AA1	1
S2	3RA2933-2AA1	1
S3	3RA2943-2AA1	1

Connection kit for Star-Delta

S00	3RA2913-2BB1	1
S0	3RA2923-2BB1	1
S2	3RA2933-2BB1	1
S3	3RA2943-2BB1	1

Note: For FORWARD-REVERSE and Star-Delta connection kits, mechanical lock "3RA29334-2B" must be ordered separately in S2 and S3 sizes.

Function module with socket for Star-Delta AC/DC 24... 240 V, 0.05...60 s adjustable

S00...S3	3RA2816-0EW20	1
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CONTRACTOR SERIAL CONNECTORS (Pole)

2 To connect the contactor in series

S00	3RA2916-1A	1
S0	3RA2926-1A	1
S2	3RA2936-1A	1



COUPLING LINK MODULE FOR CONTACTOR CONTROL FROM PLC



Integrated varistor with LED, directly connected to the coil 24 V DC control with direct mounting to the contactor

S0	3RH2924-1GP11	1
S00/S0/S2/S3	3RH2914-1GP11	1

BLOCK



AC/DC 24...240 V, 0.05...100 sec.
(Length S00, S0, S2, delayed on pull)

1W	3RA2813-1AW10	1
1NO+1NC	3RA2813-1FW10	1

AC/DC 24...240 V, 0.05...100 sec.
(Length S00, S0, S2, delayed in falling)

1W	3RA2815-1AW10	1
1NO+1NC	3RA2815-1FW10	1

CONTACTOR INTERLOCKING



Mechanical lock set	3RA2912-2H	10
Mechanical lock set	3RA2922-2H	10
Mechanical connector	3RA2932-2C	10
Mechanical connector	3RA2932-2G	10
Mechanical lock	3RA2934-2B	1
Mechanical connector	3RA2942-2G	10
Mechanical connector	3RA1932-2D	10
Mechanical lock	3RA1954-2A	1
Mechanical lock	3RA1954-3A	1

For mechanical interlocking, mechanical lock and connector should be selected according to the "Contactor Mechanical Lock Selection Table" below.

Pole	Size	Contactor	Mechanical Lock
3	S00-S00	3RT201	3RA2912-2H
3	S0-S0	3RT202	3RA2922-2H
3	S2-S2 S3-S3	3RT203	3RA2934-2B
		3RT204	3RA2932-2C
3	S6-S6	3RT105	3RA1954-2A 3RA1932-2D
3	S10-S10 S12-S12	3RT106	3RA1954-2A
		3RT107	

Pole	Size	Contactor	Mechanical Lock
4	S00-S00	3RT231	3RA2912-2H
4	S0-S0	3RT232	3RA2922-2H
4	S2-S2	3RT233	3RA2934-2B
			3RA2932-2G
4	S3-S3	3RT234	3RA2934-2B
			3RA2942-2G
4	S6-S6 S10-S10 S12-S12	3RT135	3RA1954-3A
		3RT136	
		3RT137	

SIRIUS switching devices

SIRIUS 3RT contactor accessories and spare parts

Material Type	Order No	Min. Order quantity
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CONTACTOR ELEMENT



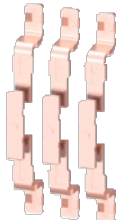
3RT2916-1JL00

Varistor	Size: S00	24..48V AC - 24..70V DC	3RT2916-1BB00	1
		127... 240V AC Without LED	3RT2916-1BD00	1
		127...240V AC with LED	3RT2916-1JL00	1
RC Element	Size: S00	127... 240V AC Without LED	3RT2916-1CD00	1
		With Integrated Diode 24V DC Without LED	3RT2916-1DG00	1
Varistor	S0	127... 240V AC Without LEDs	3RT2926-1BD00	1
		127...240V AC with LED	3RT2926-1JL00	1
RC Element	S0	127... 240V AC Without LED	3RT2926-1CD00	1
		With Integrated Diode 24V DC Without LED	3RT2926-1ER00	1
Varistor	Size: S2, S3	24..48V AC - 24..70V DC	3RT2936-1BB00	1
		127...240V AC, 150...250V DC	3RT2936-1BD00	1
RC Element	Size: S2,S3	24..48V AC -24..70V DC	3RT2936-1CB00	1
		127...240V AC, 150...250V DC	3RT2936-1CD00	1

CONTACTOR SPARE PARTS



3RT2924-5AP01



3RT2935-6A

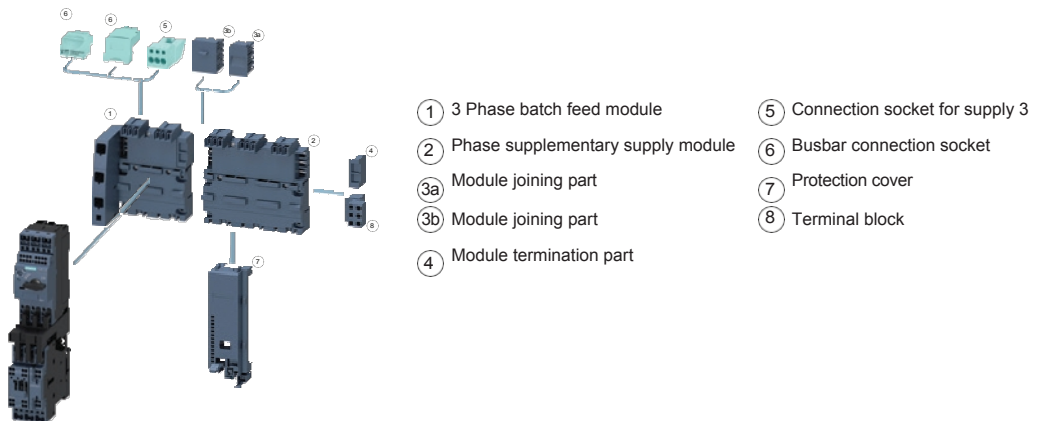
Replacement Coil S0 size 230V AC for 3RT2023, 2024,2025	3RT2924-5AP01	1
Replacement Coil S0 size 24V AC for 3RT2023, 2024,2025	3RT2924-5AB01	1
Replacement Coil S0 size 230V AC for 3RT2026, 2027,2028	3RT2926-5AP01	1
Replacement Coil S0 size 24V AC for 3RT2026, 2027,2028	3RT2926-5AB01	1
Spare Coil S2 size 230V AC for 3RT203.	3RT2934-5AP01	1
Spare Coil S3 size 230V AC for 3RT204.	3RT2944-5AP01	1
Spare Coil S6 size 230V AC for 3RT105 and 145	3RT1955-5AP31	1
Spare Coil S10 size 230V AC for 3RT106 and 146	3RT1965-5AP31	1
Spare Coil S12 size 230V AC for 3RT107 and 147	3RT1975-5AP31	1
Spare Contact Set S2 size 3RT2035 for	3RT2935-6A	1
Spare Contact Set S2 size 3RT2036 for	3RT2936-6A	1
Spare Contact Set S2 size 3RT2037 for	3RT2937-6A	1
Spare Contact Set S2 size 3RT2038 for	3RT2938-6A	1
Spare Contact Set S3 size 3RT2045 for	3RT2945-6A	1
Spare Contact Set S3 size 3RT2046 for	3RT2946-6A	1
Spare Contact Set S3 size 3RT2047 for	3RT2947-6A	1
Spare Contact Set S6 size 3RT1054 for	3RT1954-6A	1
Spare Contact Set S6 size 3RT1055 for	3RT1955-6A	1
Spare Contact Set S6 size 3RT1056 for	3RT1956-6A	1
Spare Contact Set S10 size 3RT1064 for	3RT1964-6A	1
Spare Contact Set S10 size 3RT1065 for	3RT1965-6A	1
Spare Contact Set S10 size 3RT1066 for	3RT1966-6A	1
Spare Contact Set S12 size 3RT1075 for	3RT1975-6A	1
Spare Contact Set S12 size 3RT1076 for	3RT1976-6A	1

SIRIUS switching devices

SIRIUS 3RV29 supply modules and 3RA starter combinations

Material Type	Order No	Min. Order quantity	
3RV29 BUS FEED MODULES			
3 Phased bulk supply module	Left-hand feed S00,S0 for Length	3RV2917-1A	1
3 Phase addition module for switch	2 Supply	3RV2917-4A	1
3 Phase addition module for switch	3 Supply	3RV2917-4B	1
Busbar connection socket	For S00 Size, screw type	3RV2917-5CA00	1
Busbar connection socket	For S0 Size, screw type	3RV1927-5AA00	1
Terminal block		3RV2917-5D	1
Module connecting piece		3RV2917-5BA00	1
Module termination piece		3RV2917-6A	10
Connection module for power supply		3RV2917-5FA00	1

Note: Using the 3RV29 bus supply modules you can plan a maximum motor output of 63A on each module.



3RA23.

Material Type	Motor Power (kW)	Rated Current (A)	Size	Order No	Min. Order quantity
3RA FULLY ASSEMBLED FORWARD-REVERSE TURN COMBINATIONS					
Mechanical Locking and fittings included	3	7	S00	3RA2315-8XB30-1AP0	1
	4	9	S00	3RA2316-8XB30-1AP0	1
	5.5	12	S00	3RA2317-8XB30-1AP0	1
	7.5	17	S0	3RA2325-8XB30-1AL2	1
	11	25	S0	3RA2326-8XB30-1AL2	1
	15	32	S0	3RA2327-8XB30-1AL2	1
	18.5	41	S2	3RA2335-8XB30-1AL2	1
	22	51	S2	3RA2336-8XB30-1AL2	1
	30	65	S2	3RA2337-8XB30-1AL2	1
	37	80	S3	3RA2345-8XB30-1AL2	1
45	95	S3	3RA2346-8XB30-1AL2	1	



3RA24.

Material Type	Motor Power (kW)	Rated Current (A)	Size	Order No	Min. Order quantity
3RA FULLY ASSEMBLED STAR DELTA COMBINATIONS					
Time relay, fittings, connecting bridges included. (Dimensions S2 and S3 also include mounting plates. At Size S00 mechanical locking is also included).	5.5	12	S00	3RA2415-8XF31-1AP0	1
	7.5	16	S00	3RA2416-8XF31-1AP0	1
	11	25	S00	3RA2417-8XF31-1AP0	1
	15/18.5	32/40	S0	3RA2425-8XF32-1AL2	1
	22	50	S0	3RA2426-8XF32-1AL2	1
	37	80	S0	3RA2435-8XF32-1AL2	1
	45	86	S2	3RA2436-8XF32-1AL2	1
	55	115	S2	3RA2437-8XF32-1AL2	1
	75	150	S3	3RA2445-8XF32-1AL2	1
	90	160	S3	3RA2446-8XF32-1AL2	1

Note The thermal relay or motor protection switch to be used to protect the combination must be selected separately.

3RV29 Supply System and 3RC7 Smart Connection Module

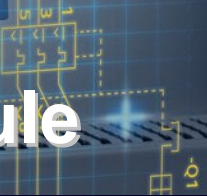
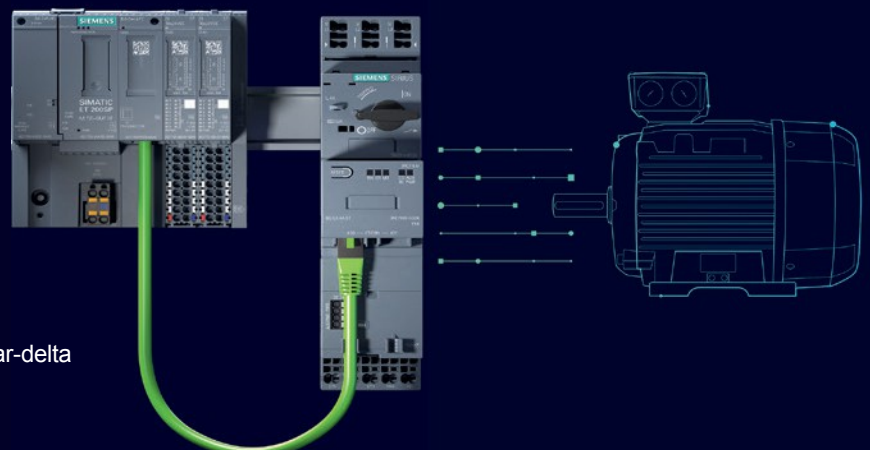
Efficient and flexible energy distribution for motor starters integrated into the automation system with the 3RC7 ILM!

direct, FORWARD-REVERSE, star-delta and soft starters quickly and compactly in the enclosure with the 3RV29 supply system. This system is designed so that all components can be easily mounted on just one DIN rail or mounting plate.

SIRIUS 3RC7 ILM SIRIUS switching devices into the automation system by integrating them into SIMATIC ET 200SP. With the SIRIUS 3RC7 ILM, the 3RV29 busbar supply system becomes part of the SIMATIC system by connecting to the ET 200SP.

Advantages

- > Integration into SIMATIC automation system
- > SIMATIC ET 200SP connection with 3RC7 ILM
- > Parameterization with TIA Portal
- > Reduced cabling with bus feed modules
- > Busbar supply capacity up to 63A
- > Up to 30% space savings inside the enclosure
- > Faster and safer cabling with spring connection
- > Compatible with direct, FORWARD-REVERSE, star-delta and soft starters



SIRIUS switching devices

SIRIUS 3RA8 Intelligent Routing Combinations

Material Type	Types of Coordination	Size	Motor Power (kW)	Rated Current (A)	Order No	
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Direct Starter

NEW

3RC7 Smart connection module, 3RT contactor and 3RV motor protection switch included. Spring connection.

Type-2	S00	0.12 - 1.5 kW	0.4 - 4 A	3RA8412-1EE10	
Type-1	S00	0.55 - 5.5 kW	1.2 - 12 A	3RA8411-1KE10	
Type-2	S0	1.5 - 15.0 kW	3.5 - 32 A	3RA8422-4EE10	

FORWARD-REVERSE Starter

NEW

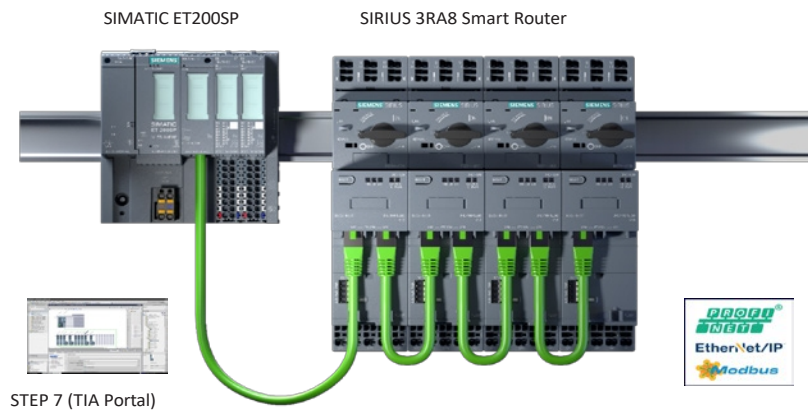
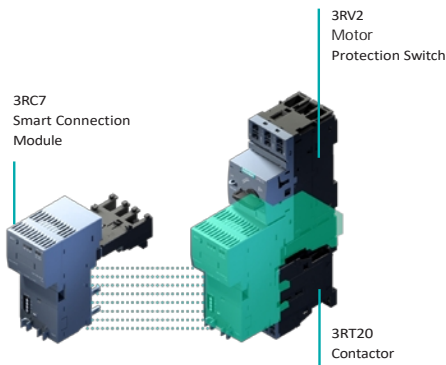
3RC7 Intelligent connection module, 2 x 3RT contactors, mechanical interlocking, fittings and 3RV motor protection switch included. Spring connection.

Type-2	S00	0.12 - 1.5 kW	0.4 - 4 A	3RA8512-1EE10	
Type-1	S00	0.55 - 5.5 kW	1.2 - 12 A	3RA8511-1KE10	
Type-2	S0	1.5 - 15.0 kW	3.5 - 32 A	3RA8522-4EE10	

Note: You can contact our sales offices for different combinations.

Note: 3RT contactors in 3RA8 intelligent starting combinations are DC 24V coil fed, 3RV motor protection switches are magnetic only.

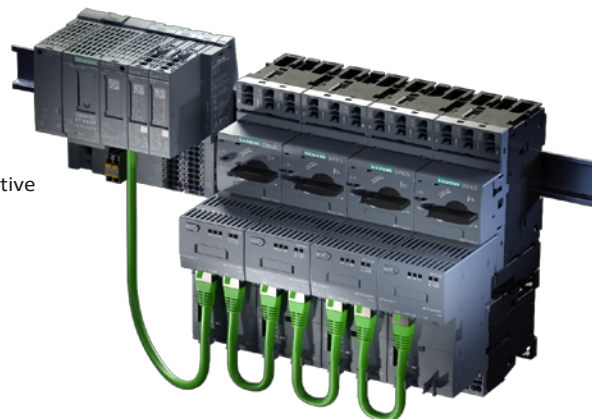
SIRIUS meets SIMATIC!



- 3RA8 Smart starters consist of 3RV2 motor protection switch and 3RT2 contactor electrically and mechanically connected with 3RC7 smart connection module.
- 3RA8 Smart starters connect to the SIMATIC system with Profinet, Ethernet/IP and Modbus TCP communication using the BusAdapter with SIMATIC ET 200SP.
- Parameterization and setting is with STEP 7 (TIA Portal). Up to 16 starters can be connected with one BusAdapter.
- It provides control, monitoring, protection and feedback over a single cable, full integration into the SIMATIC automation system.

3RA8 Smart starter main features:

- Control (switching element) and Reset
- Electronic motor overload protection Current asymmetry, measurement and monitoring
- Mains voltage detection, measurement and monitoring
- Power measurement (Power factor, apparent, reactive and active power) Operating temperature measurement
- Supply voltage monitoring for electronics (Pwr)
- Contactor supply voltage monitoring (Aux-Pwr)
- Start-up time monitoring
- Emergency start, cold start
- FORWARD-REVERSE turn



SIRIUS protection devices

SIRIUS 3RV motor protection switch

Material Type	Short Circuit Breaking Capacity Icu	Size	Thermal Adjustment Area (A)	Order No		Min. Order quantity
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SIRIUS 3RV MOTOR PROTECTION SWITCHES

Screw Connection



3RV2011-



3RV2021-



3RV2031-



3RV2041-

Suitable for adjacent installation at 60°C in-panel temperature. Thermal and short circuit protected, suitable for rail mounting

100kA	S00	0.22-0.32	3RV2011-0DA10	1
100kA		0.28-0.4	3RV2011-0EA10	1
100kA		0.35-0.5	3RV2011-0FA10	1
100kA		0.45-0.63	3RV2011-0GA10	1
100kA		0.55-0.8	3RV2011-0HA10	1
100kA		0.7-1	3RV2011-0JA10	1
100kA		0.9-1.25	3RV2011-0KA10	1
100kA		1.1-1.6	3RV2011-1AA10	1
100kA		1.4-2	3RV2011-1BA10	1
100kA		1.8-2.5	3RV2011-1CA10	1
100kA		2.2-3.2	3RV2011-1DA10	1
100kA		2.8-4	3RV2011-1EA10	1
100kA		3,5-5	3RV2011-1FA10	1
100kA		4.5-6.3	3RV2011-1GA10	1
100kA		5.5-8	3RV2011-1HA10	1
100kA		7-10	3RV2011-1JA10	1
100kA		9-12.5	3RV2011-1KA10	1
55kA		10-16	3RV2011-4AA10	1
55kA	S0	10-16	3RV2021-4AA10	1
55kA		13-20	3RV2021-4BA10	1
55kA		16-22	3RV2021-4CA10	1
55kA		18-25	3RV2021-4DA10	1
55kA		23-28	3RV2021-4NA10	1
55kA		27-32	3RV2021-4EA10	1
20kA		30-36	3RV2021-4PA10	1
20kA		34-40	3RV2021-4FA10	1
65kA	S2	32-40	3RV2031-4UA10	1
65kA		35-45	3RV2031-4VA10	1
65kA		42-52	3RV2031-4WA10	1
65kA		49-59	3RV2031-4XA10	1
65kA		54-65	3RV2031-4JA10	1
65kA		62-73	3RV2031-4KA10	1
65kA		70-80	3RV2031-4RA10	1
65kA	S3	45-63	3RV2041-4JA10	1
65kA		57-75	3RV2041-4KA10	1
65kA		65-84	3RV2041-4RA10	1
65kA		75-93	3RV2041-4YA10	1
65kA		80-100	3RV2041-4MA10	1






Note: For motor outputs higher than 100A, 3VA2 series Motor Protection Switches on p. 62 can be selected.

SIRIUS protection devices

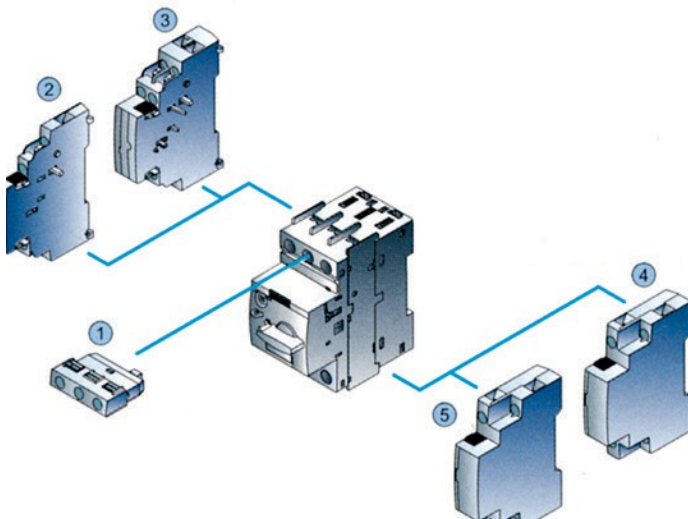
SIRIUS 3RV motor protection switch accessories

Material Type	Order No	Min. Order quantity
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ACCESSORIES THAT BE MOUNTED ON SIRIUS 3RV MOTOR PROTECTION

 3RV2901-1E	Auxiliary contact, top horizontal mounting (1C/0)*	3RV2901-1D	1
	Side-mounted, screwed (1N0+1NC)	3RV2901-1E	1
	Side-mounted, screwed (1N0+1NC)	3RV2901-1A	1
	Side-mounted, screwed (2N0)	3RV2901-1B	1
 3RV2901-1A	Overcurrent and short circuit alarm switch for notification (2N0+2NC)	3RV2921-1M	1
	Wireless signaling module DC 24 V	3RV2921-5M	1
 NEW 3RV2921-5M	Under voltage coil AC 230 V	3RV2902-1AP0	1
	Under voltage coil DC 24 V	3RV2902-1AB4	1
 3RV2902-1AP0	Opening coil AC 210... 240 V	3RV2902-1DP0	1
	Opening coil DC 24 V	3RV2902-1DB0	1
 3RV2926-1B	S00 Contactor-S00/S0 Power switch interconnector, AC/DC use S0 Contactor-S00/S0 Power switch interconnector, AC use	3RA1921-1DA00	1
	S0 Contactor-S00/S0 Power switch interconnector, DC use S2 Contactor-S2 Power switch interconnector, AC/DC use S3 Contactor-S3 Power switch interconnector, AC/DC use	3RA2921-1AA00	1
	Door drive mechanism 130 mm black	3RA2921-1BA00	1
	Door drive mechanism 130 mm red/yellow	3RA2931-1AA00	1
	Plastic storage box, 54 mm wide, black	3RA1941-1AA00	1
	Plastic storage box, 72 mm wide, black	3RV2926-1B	1
	Plastic storage box, 54 mm wide, emergency stop	3RV2926-1C	1
	Plastic storage box, 72 mm wide, emergency stop	3RV1923-1CA00	1
	5 3-phase busbar connector for switches size S00, S0 45 mm	3RV1923-1DA00	1
	5 3-phase busbar connector for switch size S00, S0 55 mm	3RV1923-1FA00	1
4 3-phase busbar connector for switch size S2, 75 mm	3RV1923-1GA00	1	
4 3-phase busbar connector for switch size S2, 55 mm	3RV1915-1DB	1	
4 3-phase busbar connector for switches size S00-S0, 45 mm	3RV1915-2DB	1	
3-phase supply terminal block size S00, S0	3RV1935-3C	1	
3-phase supply terminal block size S2	3RV1915-1AB	1	
Protection cover size S00, S0	3RV1935-1C	1	
Protection cover size S2	3RV2925-5AB	1	
*Inverter	3RV2935-5A	1	
	3RV1915-6AB	10	
	3RV1935-6A	5	

3RV2 Motor Protection Switch and Attachable Accessories



Attachable Accessories

- ① Horizontally mounted auxiliary contact
- ② Side-mounted auxiliary contact
- ③ Side-mounted auxiliary contact with 4 contacts
- ④ Tripping relay
- ⑤ Low voltage relay

SIRIUS protection devices

SIRIUS 3RU thermal relays and accessories

Material Type	Size	Thermal Adjustment Area (A)	Order No (Rail Mounted)	Order No (Direct Mounted to Contactor)	Min. Order quantity
---------------	------	-----------------------------	-------------------------	--	---------------------

SIRIUS 3RU THERMAL RELAYS Screw Connection



3RU2.
Rail Mounted type



3RU2126-
Contactor-mounted type



3RU2136-
Contactor-mounted type



3RU2146-

- Phase protected, 60°C switchboard suitable for temperature inside	S00	0.22-0.32	3RU2116-0DB1	3RU2116-0DB0	1	
		0.28-0.4	3RU2116-0EB1	3RU2116-0EB0	1	
		0.35-0.5	3RU2116-0FB1	3RU2116-0FB0	1	
		0.43-0.63	3RU2116-0GB1	3RU2116-0GB0	1	
		0.55-0.8	3RU2116-0HB1	3RU2116-0HB0	1	
		0.7-1	3RU2116-0JB1	3RU2116-0JB0	1	
		0.9-1.25	3RU2116-0KB1	3RU2116-0KB0	1	
		1.1-1.6	3RU2116-1AB1	3RU2116-1AB0	1	
		1.4-2	3RU2116-1BB1	3RU2116-1BB0	1	
		1.8-2.5	3RU2116-1CB1	3RU2116-1CB0	1	
		2.2-3.2	3RU2116-1DB1	3RU2116-1DB0	1	
		2.8-4	3RU2116-1EB1	3RU2116-1EB0	1	
		3.5-5	3RU2116-1FB1	3RU2116-1FB0	1	
		4.5-6.3	3RU2116-1GB1	3RU2116-1GB0	1	
		5.5-8	3RU2116-1HB1	3RU2116-1HB0	1	
		7-10	3RU2116-1JB1	3RU2116-1JB0	1	
		9-12.5	3RU2116-1KB1	3RU2116-1KB0	1	
		11-16	3RU2116-4AB1	3RU2116-4AB0	1	
		- Manual and automatic position, - 1NO+1NC auxiliary contacts - With switch position indicator - With stop and test button	S0	7-10		3RU2126-1JB0
9-12.5				3RU2126-1KB0	1	
11-16				3RU2126-4AB0	1	
14-20	3RU2126-4BB1			3RU2126-4BB0	1	
17-22	3RU2126-4CB1			3RU2126-4CB0	1	
20-25	3RU2126-4DB1			3RU2126-4DB0	1	
23-28	3RU2126-4NB1			3RU2126-4NB0	1	
27-32	3RU2126-4EB1			3RU2126-4EB0	1	
30-36	3RU2126-4PB1			3RU2126-4PB0	1	
34-40	3RU2126-4FB1			3RU2126-4FB0	1	
S2	28-40			3RU2136-4FB1	3RU2136-4FB0	1
	36-45			3RU2136-4GB1	3RU2136-4GB0	1
	40-50			3RU2136-4HB1	3RU2136-4HB0	1
	47-57			3RU2136-4QB1	3RU2136-4QB0	1
	54-65			3RU2136-4JB1	3RU2136-4JB0	1
	62-73			3RU2136-4KB1	3RU2136-4KB0	1
	70-80			3RU2136-4RB1	3RU2136-4RB0	1
S3	57-75			3RU2146-4KB1	3RU2146-4KB0	1
	70-90			3RU2146-4LB1	3RU2146-4LB0	1
	80-100	3RU2146-4MB1	3RU2146-4MB0	1		

Size	Order No	Min. Order quantity
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SIRIUS 3RU ACCESSORIES



Mounting bracket for stand-alone rail mounting

S00	3RU2916-3AA01	1
S0	3RU2926-3AA01	1
S2	3RU2936-3AA01	1
S3	3RU2946-3AA01	1

3RU2916-3AA01

SIRIUS protection devices

SIRIUS 3RR current sensing and 3RB electronic overcurrent relays



3RR2243-1FW30

- Analog tuned
- Analog tuned
- Analog tuned
- Digital adjustable
- Digital adjustable
- Digital adjustable

Material Type	Size	Thermal Adjustment Field (A)	Order No	Min. Order quantity
	S00	1.6-16	3RR2141-1AW30	1
	S0	4-40	3RR2142-1AW30	1
	S2	8-80	3RR2143-1AW30	1
	S00	1.6-16	3RR2241-1FW30	1
	S0	4-40	3RR2242-1FW30	1
	S2	8-80	3RR2243-1FW30	1

Note: You can contact our sales offices for [IO-Linked](#) versions.



3RB3016-1.



3RB20..-



3RB2056-1FW2

Material Type	Size	Thermal Adjustment Area (A)	Order No (Screw Connection)	Min. Order quantity
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SIRIUS 3RB2/3 RELAY

- Class 10 Working Class
- 1NO+1NC half contact
- Test function
- Manual/automatic, remote reset
- Location Indicator
- Self-feeding
- Sensitive to phase drop and asymmetry in phase
- Direct mounting to same size contactors
- Thermal relay fitting must be used for rail mounting.

S00	0,1-0,4	3RB3016-1RB0	1
S00	0,32-1,25	3RB3016-1NB0	1
S00	1-4	3RB3016-1PB0	1
S00	3-12	3RB3016-1SB0	1
S00	4-16	3RB3016-1TB0	1
S0	6-25	3RB3026-1QB0	1
S0	10-40	3RB3026-1VB0	1
S2	12.5-50	3RB3036-1UB0	1
S2	20-80	3RB3036-1WB0	1
S6 Busbar	50-200	3RB2056-1FC2	1
S6 Cable	50-200	3RB2056-1FW2	1
S10/12	55-250	3RB2066-1GC2	1
S10/12	160-630	3RB2066-1MC2	1

Material Type	Size	Thermal Adjustment Area (A)	Order No	Min. Order quantity
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SIRIUS 3RB29 RELAY



3RB29..-



3RB2283-4AA1

Current sensing modules

S00/S0	0.3...3	3RB2906-2BG1	1
S00/S0	2.4...25	3RB2906-2DG1	1
S2/S3	10...100	3RB2906-2JG1	1
S6	20...200	3RB2956-2TG2	1
S6	63...630	3RB2966-2WH2	1
-	-	3RB2283-4AA1	1
Total leakage and overcurrent detection		3RB2985-2CA1	1
Earth leakage detection		3RB2985-2CB1	1
Connection cable		3RB2987-2B	1
Connection cable		3RB2987-2D	1

To create a combination, it is necessary to select 1 current sensing module, 1 evaluation module and 1 connection cable. Function expansion module is optional.

3TG series switching devices and 3TF series spare parts

3TG mini contactors and 3TY spare parts



3TG10.
(Screw Mounted)

Material Type	Rated Power (kW)	Rated Current (A)	Contact NO NC	Control Voltage AC (V)	Order No	Min. Order quantity
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(AC)

Screw mounted	4	8,4	4 -	24	3TG1010-0AC2	10
	4	8,4	4 -	110	3TG1010-0AG2	10
	4	8,4	4 -	230/220	3TG1010-0AL2	10
	4	8,4	3 1	24	3TG1001-0AC2	10
	4	8,4	3 1	110	3TG1001-0AG2	10
	4	8,4	3 1	230/220	3TG1001-0AL2	10

(DC)

Screw mounted	4	8,4	4 -	24	3TG1010-0BB4	10
	4	8,4	3 1	24	3TG1001-0BB4	10

Material Type	Rated Voltage AC (V)	Order No	Min. Order quantity
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REPLACEMENT COILS 3TF



3TY7 443



3TY7 483

Height: 0-1
3TF40, 3TF41, 3TF42 and 3TF43
For contactors

Size: 2, for 3TF44
Size: 3, for 3TF46
Size: 4, for 3TF48 and 3TF49
Size: 14, for 3TF6844-0CM7
(Electronic Circuit)
Size: 14, for 3TF6944-0CM7
(Electronic Circuit)

24	3TY7403-0AB0	1
42	3TY7403-0AD0	1
110	3TY7403-0AF0	1
220	3TY7403-0AM0	1
230	3TY7403-0AP0	1
380	3TY7403-0AQ0	1
220	3TY7443-0AM0	1
220	3TY7463-0AM0	1
220	3TY7483-0AM0	1
220	3TY7683-0CM7	1
220	3TY7693-0CM7	1

Material Type	Order No	Min. Order Number
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3TF CONTACTOR SPARE MAIN ASSEMBLIES



3TY7..0-0A

Size: 2 For 3TF44 Contactor
Size: 3 For 3TF46 Contactor
Size: 3 For 3TF47 Contactor
Size: 4 For 3TF48 Contactor
Size: 4 For 3TF49 Contactor
Size: 6 For 3TF50 Contactor
Size: 6 For 3TF51 Contactor
Size: 8 For 3TF52 Contactor
Size: 10 3TF54 for Contactor
Size: 10 for 3TF55 Contactor
Size: 12 for 3TF56 Contactor
Size: 14 3TF68 For contactor
Size: 14 3TF69 For contactor

3TY7440-0A	1
3TY7460-0A	1
3TY7470-0A	1
3TY7480-0A	1
3TY7490-0A	1
3TY7500-0A	1
3TY7510-0A	1
3TY7520-0A	1
3TY7540-0A	1
3TY7550-0A	1
3TY7560-0A	1
3TY7680-0B	1
3TY7690-0B	1

3TF SPARE CONTACTS

For 3TF44/3TF69 Contactors (1NO+1NC)

3TY7561-1AA00	1
3TY7561-1KA00	1



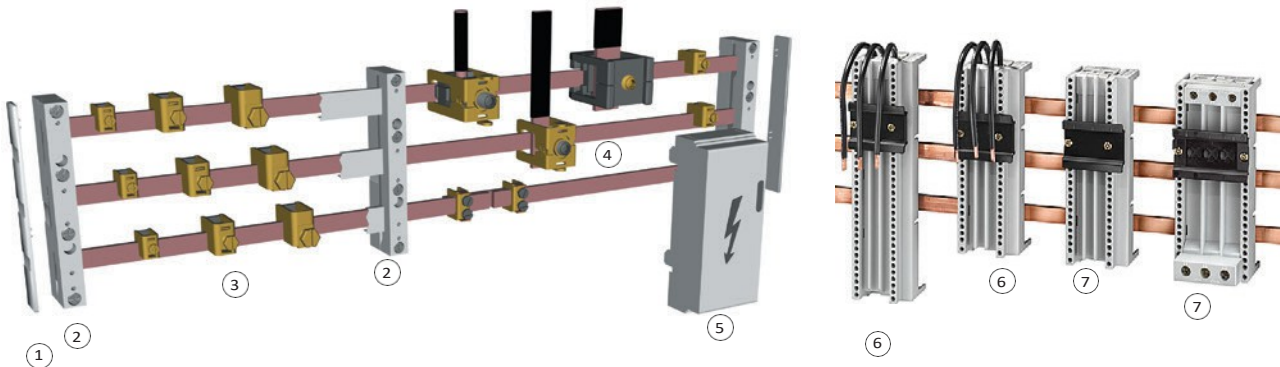
3TY7 561-1.

Note: Production of replacement products for the 3TF series has been discontinued. Sales approval is limited to stocks.

SIRIUS busbar system products

Busbar system products

SIRIUS BAR PRODUCTS



Material Type			Order No	Min. Order Number
①	Busbar terminator	For 60 mm busbar systems	8US1922-1AC00	10
②	Busbar holder	For 40 mm busbar systems	8US1903-3AB00	1
	Busbar cover	For 60 mm busbar systems	8US1923-2AA01	10
	Busbar cover support accessory	For 40 mm and 60 mm busbar systems	8US1922-2AA00	1
	Complete busbar cover	For 60 mm busbar systems	8US1922-2EA00	4
			8US1922-2EB00	2
③	Connection terminal block for single stranded conductors			
	For 5 mm busbar thickness	1.5-16 mm ² 4-35 mm ² 16-70 mm ²	8US1921-2AA00	100
	For 10 mm busbar thickness	1.5-16 mm ² 4-35 mm ² 16-70 mm ²	8US1921-2AB00	50
			8US1921-2AD00	50
			8US1921-2BA00	50
			8US1921-2BB00	100
			8US1921-2BD00	50
④	Busbar connection terminals			
	For 10 mm busbar thickness	Up to 240 mm ² cross-section cable 20mm x 5mm to 30mm x 10mm For 2mm x 40 mm x 10 mm busbar	8US1941-2AC00	6
			8US1941-2BB00	6
⑤	Energy supply part (cover) for 60 mm busbar systems		8US1941-2BA00	3
⑥	Busbar adapters		8US1921-1AA00	1
	(for 40mm busbar systems)	for S00/S0 W:45mm L:200mm for S2 W:54mm L:260mm	8US1251-5DS10	1
		for S00/S0 W:45mm L:182mm	8US1261-6MT10	1
	Busbar adapters	for S00/S0 W:45mm L:200mm	8US1251-5DM07	6
		for S00 W:45mm L:260mm	8US1251-5NS10	1
	For 60mm busbar systems)	for S2 W:55mm L:242mm	8US1251-5DT10	1
		for S3 W:72mm L:200mm	8US1261-5FP08	1
			8US1211-4TR00	1
7	Device holders			
	(40mm busbar systems)	for S2 W:55mm L:200mm	8US1250-1AA10	1
	(60mm busbar systems)	for S00/S0 W:45mm L:182mm	8US1250-5AM00	1
	(60mm busbar systems)	for S2 W:55mm L:182mm	8US1260-5AM00	1

SIRIUS 3RF2 series semiconductor switching devices

3RF2 semiconductor relays

Material Type	Current (A)	Order No	Min. Order quantity
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Two Phase Controlled Types

Operating voltage 48-600 V AC Control voltage 4-30 V DC

10.5	3RF2410-1AB45		1
20	3RF2420-1AB45		1
30	3RF2430-1AB45		1
40	3RF2440-1AB45		1
50	3RF2450-1AB45		1

Two Phase Controlled Types

Operating voltage 48-600 V AC Control voltage 230 V AC

10.5	3RF2410-1AB55		1
20	3RF2420-1AB55		1
30	3RF2430-1AB55		1
40	3RF2440-1AB55		1
50	3RF2450-1AB55		1



3RF24-...



3RF2020-...

Coolerless, Zero Point Switching Type, Square Type

Operating voltage 24-230 V AC Control voltage 24 V DC

20	3RF2020-1AA02		1
30	3RF2030-1AA02		1
50	3RF2050-1AA02		1
70	3RF2070-1AA02		1
90	3RF2090-1AA02		1

Coolerless, Zero Point Switching Type

Operating voltage 24-240 V AC Control voltage 24 V DC

20	3RF2120-1AA02		1
30	3RF2130-1AA02		1
50	3RF2150-1AA02		1
70	3RF2170-1AA02		1
90	3RF2190-1AA02		1



3RF2120-...

Coolerless, Zero Point Switching Type

Operating voltage 48-460 V AC Control voltage 24 V DC

20	3RF2120-1AA04		1
30	3RF2130-1AA04		1
50	3RF2150-1AA04		1
70	3RF2170-1AA04		1
90	3RF2190-1AA04		1

Cooled, Zero Point Switching Type

Operating voltage 24-230 V AC Control voltage 24 V DC

10.5	3RF2310-1AA02		1
20	3RF2320-1AA02		1
30	3RF2330-1AA02		1
40	3RF2340-1AA02		1
50	3RF2350-1AA02		1



3RF2330-...

Cooled, Zero Point Switching Type

Operating voltage 48-460 V AC Control voltage 24 V DC

10.5	3RF2310-1AA04		1
20	3RF2320-1AA04		1
30	3RF2330-1AA04		1
40	3RF2340-1AA04		1
50	3RF2350-1AA04		1



3RF2340-...

SIRIUS motor starters

3RM1 motor starters

400V, 50/60 Hz AC 3 Phase Motor Power Rating	Overcurrent Protection, Current Setting Range - A	Order No	Min. Order quantity
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SIRIUS 3RM1 Standard Motor Starter, Direct Starter Us=24VDC

0...0,12	0,1 ... 0,5	3RM1001-1AA04*	1
0,09 ... 0,75	0,4 ... 2	3RM1002-1AA04*	1
0,55...3	1,6 ... 7	3RM1007-1AA04*	1

*By writing code "1" instead of "0" in the last four digits (...-1AA14) Supply Voltage Us= AC 110 ... 230 V 50/60 Hz; DC 110 V product can be ordered at the same price.

SIRIUS 3RM1 Standard Motor Starter, FORWARD-REVERSE Starter Us=24VDC

0...0,12	0,1 ... 0,5	3RM1201-1AA04*	1
0,09 ... 0,75	0,4 ... 2	3RM1202-1AA04*	1
0,55...3	1,6 ... 7	3RM1207-1AA04*	1

*By writing code "1" instead of "0" in the last four digits (...-1AA14) Supply Voltage Us= AC 110 ... 230 V 50/60 Hz; DC 110 V product can be ordered at the same price.

SIRIUS 3RM1 Safety Motor Starter, Direct Starter Us=24VDC

0...0,12	0,1 ... 0,5	3RM1101-1AA04*	1
0,09 ... 0,75	0,4 ... 2	3RM1102-1AA04*	1
0,55...3	1,6 ... 7	3RM1107-1AA04*	1

*By writing code "1" instead of "0" in the last four digits (...-1AA14) Supply Voltage Us= AC 110 ... 230 V 50/60 Hz; DC 110 V product can be ordered at the same price.

SIRIUS 3RM1 Safety Motor Starter, FORWARD-REVERSE Starter Us=24VDC

0...0,12	0,1 ... 0,5	3RM1301-1AA04*	1
0,09 ... 0,75	0,4 ... 2	3RM1302-1AA04*	1
0,55...3	1,6 ... 7	3RM1307-1AA04*	1

*By writing code "1" instead of "0" in the last four digits (...-1AA14) Supply Voltage Us= AC 110 ... 230 V 50/60 Hz; DC 110 V product can be ordered at the same price.

SIRIUS 3RM1 Optional Accessories

Supply terminal	3RM1920-1AA	1
Busbar protection cover	3RM1910-6AA	10
2 Busbar	3RM1910-1AA	1
3 Busbar	3RM1910-1BA	1
5 Busbar	3RM1910-1DA	1
Device connection connector	3ZY1212-2EA00	1
Interconnect connector (allows connection between devices when there is a gap of 22.5m)	3ZY1212-2AB00	1
Device termination terminal (inserted in the rightmost module)	3ZY1212-2FA00	1
Device sealing front transparent cover	3ZY1321-2AA00	1
Fuse module, busbar or rail mounted (including 3x3NW6007-1 fuse)	3RM1932-1AB	1
Fuse module busbar mounting adapter	8US1216-0AS00	1
Fuse module rail mounting adapter	8US1716-ORK00	1

Notes

- 1- When 3RM1 modules are mounted side by side, the ideal operating temperature is between -25°C / +40°C. The upper temperature value can be increased up to +60°C by taking additional measures (22.5mm gaps between devices).
- 2- 3RM1 configuration can be done with the tool you can access via the link (www.siemens.com/sirius/configurators).
- 3- Device connection connectors are only compatible with Us=24VDC version.



3RM10.. - 3RM12



3RM11. - 3RM13



3RM1920-1AA



3RM1910-6AA



3RM1910-1DA



3RM1932-1AB



8US1716-ORK00

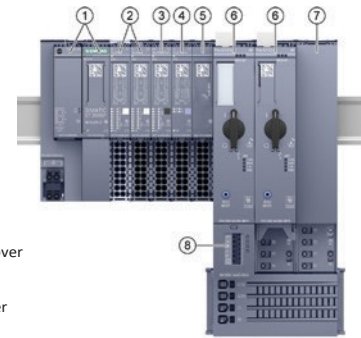
SIRIUS motor starters

ET 200SP communicating motor starters

ET200SP Motor Starters Product Selection



- ① ET 200SP Motor Starter
- ② 30 mm Base Unit
- ③ 3DI / LC - Control Module



- ① ET 200SP Interface Module
- ② ET 200SP Digital Input Module
- ③ ET 200SP Digital Output Module
- ④ ET 200SP Analog Input Module
- ⑤ 15 mm Base Unit+ Base Unit Cover
- ⑥ ET 200SP Motor Starter
- ⑦ 30 mm Base Unit+ Base Unit Cover
- ⑧ 3DI / LC - Control Module

Description	Motor Power Max. kW	Rated Current (A)	Order No	Min. Order quantity
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Direct Motor Starters



3RK1308-0BD00-0CP0

0,12	0,1..0,4	3RK1308-0AA00-0CP0	1
0,25	0,3..1	3RK1308-0AB00-0CP0	1
1,10	0,9..3	3RK1308-0AC00-0CP0	1
4,0	2,8..9	3RK1308-0AD00-0CP0	1
5,5	4..12	3RK1308-0AE00-0CP0	1

Left-Right Motor Starters

0,12	0,1..0,4	3RK1308-0BA00-0CP0	1
0,25	0,3..1	3RK1308-0BB00-0CP0	1
1,10	0,9..3	3RK1308-0BC00-0CP0	1
4,0	2,8..9	3RK1308-0BD00-0CP0	1
5,5	4..12	3RK1308-0BE00-0CP0	1

Safe Direct Motor Starters



3RK1308-0DE00-0CP0

0,12	0,1..0,4	3RK1308-0CA00-0CP0	1
0,25	0,3..1	3RK1308-0CB00-0CP0	1
1,10	0,9..3	3RK1308-0CC00-0CP0	1
4,0	2,8..9	3RK1308-0CD00-0CP0	1
5,5	4..12	3RK1308-0CE00-0CP0	1

Safe FORWARD-REVERSE Motor Starters

0,12	0,1..0,4	3RK1308-0DA00-0CP0	1
0,25	0,3..1	3RK1308-0DB00-0CP0	1
1,10	0,9..3	3RK1308-0DC00-0CP0	1
4,0	2,8..9	3RK1308-0DD00-0CP0	1
5,5	4..12	3RK1308-0DE00-0CP0	1

Base Unit



3RK1908-0AP00-0CP0

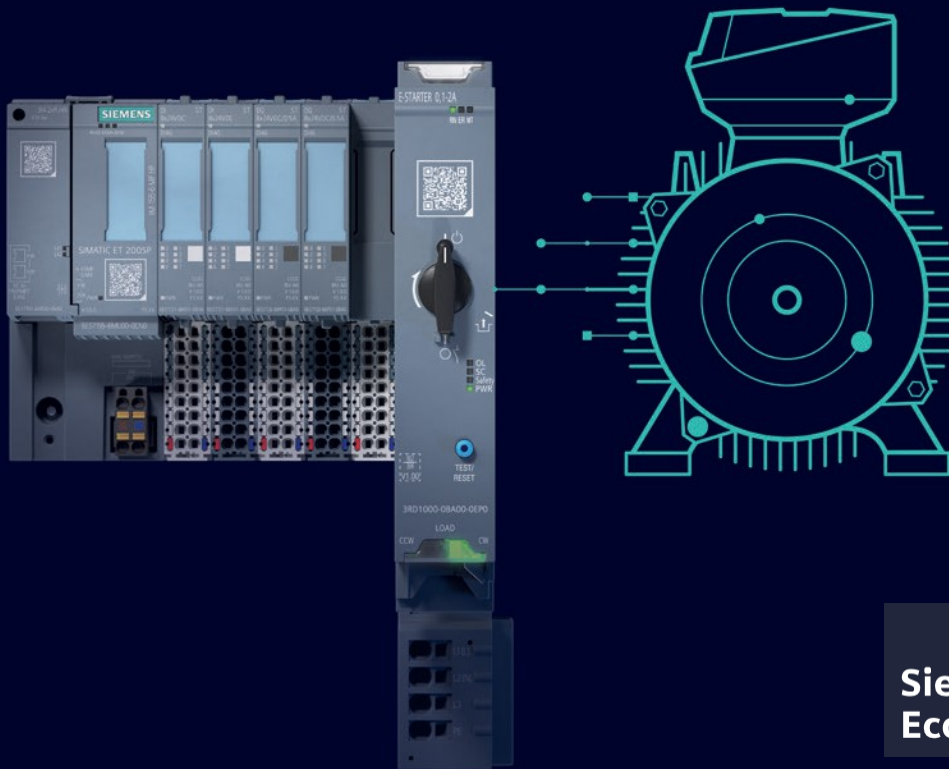
500VAC power supply and 24VDC control input	3RK1908-0AP00-0AP0	1
500VAC power supply	3RK1908-0AP00-0CP0	1
24VDC control input	3RK1908-0AP00-0BP0	1
Without power supply input	3RK1908-0AP00-0DP0	1
500VAC power supply and F-DI input (For safety motor starters)	3RK1908-0AP00-0GP0	1
F-DI input (For safety motor starters)	3RK1908-0AP00-0KP0	1

Accessories

3DI/LC control module	3RK1908-1AA00-0BP0	1
Empty Base Unit protection cover 30 mm	3RK1908-1CA00-0BP0	1
Empty Base Unit protection cover Base Unit	3RK1908-1DA00-2BP0	1
mechanical fixing element	3RK1908-1EA00-1BP0	1
Fan	3RW4928-8VB00	1



3RK1908-1CA00-0BP0



SIMATIC ET 200SP

SIMATIC ET 200SP e-Starter

Ultra fast, extra smart.

Highlights



Ultra-fast - Short circuit "without" short circuit current

- Compared to electromechanical and hybrid starting solutions Up to 1,000 times faster, minimal short-circuit energy thanks to wear-free switching.
- Ready to work again immediately after removing the short circuit, without changing the device



Extra smart - Protects high-efficiency motors and sensitive applications

- The innovative Smart-Start neutralizes inrush currents during start-up and reduces torque shocks.
- Less electrical and mechanical load significantly reduces maintenance workload.



System Integration - Motor ering in SIMATIC STEP 7 (TIA Portal)

- Integrated into the TIA selection tool
- Fast parameterization, diagnostics and commissioning without additional programming work
- Easy device replacement with automatic start-up parameterization



Compact and flexible - thanks to the proven SIMATIC ET 200SP features

- Integrated bi-directional guidance in a narrow design (30 mm wide)
- Tool-free installation, reduced wiring and maintenance labor
- Communication via PROFINET, EtherNet/IP, Modbus TCP

SIMATIC ET 200SP e-Starter

Order Information (Selection)

SIMATIC ET 200SP e-Starter	
0,1 ... 2 A	3RD1000-0BA00-0EP0
0,7 ... 7 A	3RD1000-0BB00-0EP0

Fan Unit

1 Fan	3RD1000-1FS00-0BP0
2 Fan	3RD1000-1FD00-0BP0

Base Unit

AC / DC	3RK1908-0AP00-0AP0
AC	3RK1908-0AP00-0BP0
DC	3RK1908-0AP00-0CP0
Without Feed Input	3RK1908-0AP00-0DP0

Main Submodule

4 DI (LC)	3RD1000-1MB00-0BP0
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For more information;
[siemens.com/e-starter](https://www.siemens.com/e-starter)

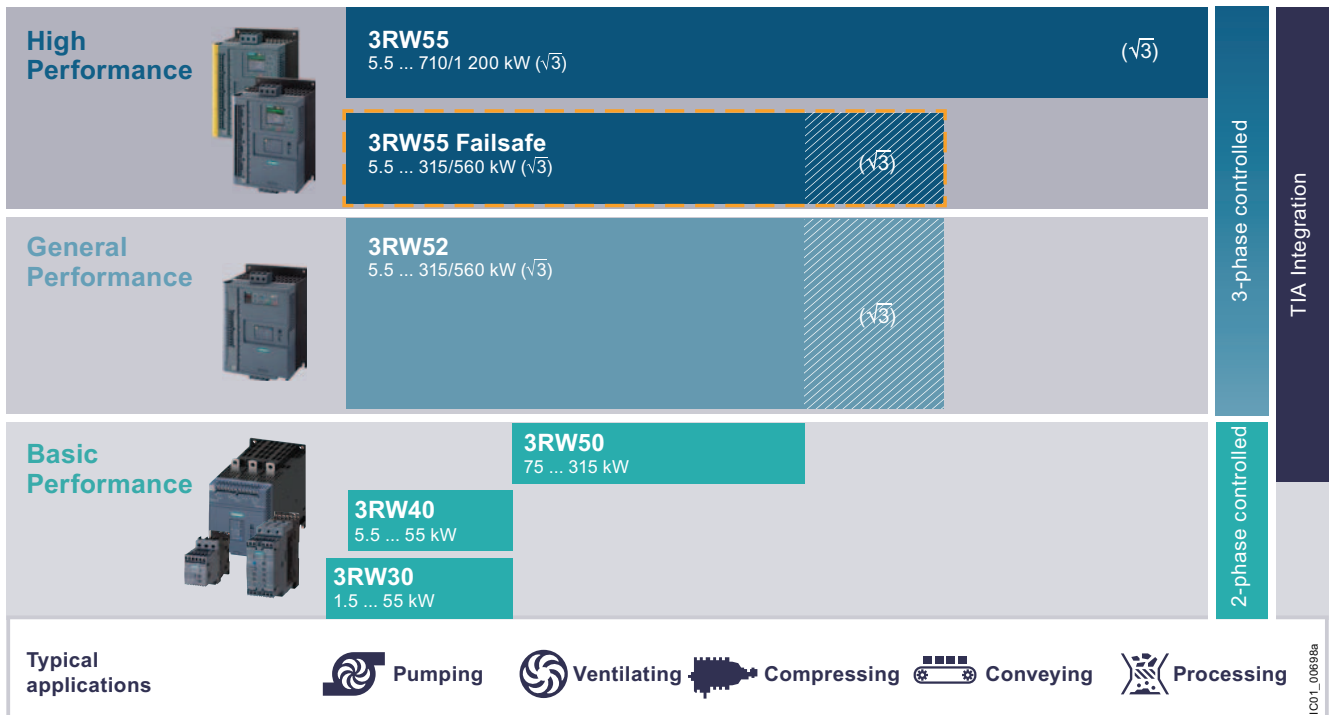
Discover more!



SIRIUS soft starters

General information

SIRIUS 3RW soft starters – as versatile as your application



SIRIUS 3RW soft starters



Applications	High Performance 3RW55/3RW55-F	General Performance 3RW52	Basic Performance 3RW50	3RW40	3RW30
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Selection aid for soft starters

Normal starting (CLASS 10)

Pumps	●	●	●	●	●
Pumps with special pump stop (to prevent water hammer)	●	○	○		
Heat pumps	●	●	●	●	●
Hydraulic pumps	●	●	●	●	○
Presses	●	●	●	●	○
Conveyor belts	●	●	●	●	○
Roller conveyors	●	●	●	●	○
Screw conveyors	●	●	●	●	○
Escalators	●	●	●	●	
Piston compressors	●	●	●	●	
Screw compressors	●	●	●	●	
Small fans ¹⁾	●	●	●	●	
Centrifugal blowers	●	●	●	●	
Bow thrusters	●	●	●	●	

Heavy starting (CLASS 20)

Agitators	●	○	○	○	
Extruders	●	○	○	○	
Turning machines	●	○	○	○	
Milling machines	●	○	○	○	

Heavy starting (CLASS 30)

Large fans ²⁾	●				
Circular saws/bandsaws	●				
Centrifuges	●				
Mills	●				
Crushers	●				

● Recommended soft starter

○ Possible soft starter

¹⁾ The mass inertia of the fan is <10 times the mass inertia of the motor.

²⁾ The mass inertia of the fan is ≥10 times the mass inertia of the motor.
Parmley Graham Ltd

SIRIUS soft starters

3RW55/3RW55 Failsafe soft starters



3RW55

Material Type	Motor Power* (kW)	Rated Current * (A)	Order No**	Min. Order Qty
3RW55 GENERATION SOFT STARTERS				

Routing with Direct and Root3 Link

• Rated voltage 200-480	5,5(11)	13 (22,5)	3RW5513-1HA14	1
• 110-250V AC Control Voltage	7,5 (15)	18 (31,5)	3RW5514-1HA14	1
• Integrated by-pass Contactor	11 (18,5)	25 (43,3)	3RW5515-1HA14	1
• Integrated device protection, motor overload protection, status and fault warnings	15 (22)	32 (55,4)	3RW5516-1HA14	1
• 3 phase controlled	18,5 (30)	38 (65,8)	3RW5517-1HA14	1
• Certified according to ATEX/IECEX directive	22 (45)	47 (81,4)	3RW5524-1HA14	1
• Removable with color display HMI, Local interface, micro SD memory card	30 (55)	63 (109)	3RW5525-1HA14	1
• Automatic parameterization	37 (75)	77 (133)	3RW5526-1HA14	1
• Pump stop and torque control	45 (90)	93 (161)	3RW5527-1HA14	1
• Analog output	55 (110)	113 (196)	3RW5534-6HA14	1
• Profinet-Profibus-Modbus communication possibility	75 (132)	143 (248)	3RW5535-6HA14	1
• General Motor applications appropriate	90 (160)	171 (296)	3RW5536-6HA14	1
• IE3/IE4 ready	110 (200)	210 (364)	3RW5543-6HA14	1
• 3RW44 Series can be used as an equivalent.	132 (250)	250 (433)	3RW5544-6HA14	1
	160 (315)	315 (546)	3RW5545-6HA14	1
	200 (355)	370 (641)	3RW5546-6HA14	1
	250 (400)	470 (814)	3RW5547-6HA14	1
	315 (560)	570 (987)	3RW5548-6HA14	1
	355 (630)	630 (1091)	3RW5552-6HA14	1
	400 (710)	720 (1247)	3RW5553-6HA14	1
	450 (800)	840 (1454)	3RW5554-6HA14	1
	560(1000)	1100 (1905)	3RW5556-6HA14	1
	710(1200)	1280 (2217)	3RW5558-6HA14	1

Control Voltage

- 24 V AC/DC
- 110 ... 250 V AC

0
1

3RW55 FAILSAFE GENERATION SOFT STARTERS NEW

Routing with Direct and Root3 Link



3RW55 FAILSAFE

• Rated voltage 200-480	5,5(11)	13 (22,5)	3RW5513-1HF14	1
• 110-250V AC Control Voltage	7,5 (15)	18 (31,5)	3RW5514-1HF14	1
• Integrated by-pass Contactor	11 (18,5)	25 (43,3)	3RW5515-1HF14	1
• Integrated device protection, motor overload protection, status and fault warnings	15 (22)	32 (55,4)	3RW5516-1HF14	1
• 3 phase controlled	18,5 (30)	38 (65,8)	3RW5517-1HF14	1
• SIL 1 STO safe stop function in addition to 3RW55 features	22 (45)	47 (81,4)	3RW5524-1HF14	1
• Analog output	30 (55)	63 (109)	3RW5525-1HF14	1
• Profinet-Profibus-Modbus communication possibility	37 (75)	77 (133)	3RW5526-1HF14	1
• General Motor applications appropriate	45 (90)	93 (161)	3RW5527-1HF14	1
• IE3/IE4 ready	55 (110)	113 (196)	3RW5534-6HF14	1
	75 (132)	143 (248)	3RW5535-6HF14	1
	90 (160)	171 (296)	3RW5536-6HF14	1
	110 (200)	210 (364)	3RW5543-6HF14	1
	132 (250)	250 (433)	3RW5544-6HF14	1
	160 (315)	315 (546)	3RW5545-6HF14	1
	200 (355)	370 (641)	3RW5546-6HF14	1
	250 (400)	470 (814)	3RW5547-6HF14	1
	315 (560)	570 (987)	3RW5548-6HF14	1

Control Voltage

- 24 V AC/DC
- 110 ... 250 V AC

0
1

NOTE : When SIRIUS Softstarter is used, there is no need for an additional by-pass contactor for bridging purposes. For bidirectional motor applications, different operating voltages and control voltages, please consult technical support.

The power ratings in the table based on thermal trip class CLASS 10A. Consult technical support for the selection of the device for severe road conditions (CLASS 20 / CLASS 30).

* Values in brackets are valid when root 3 connection is applied.

SIRIUS soft starters

3RW52 soft starters



3RW52

- Rated voltage 200-480
- 110-250V AC Control Voltage
- Integrated by-pass Contactor
- Integrated device protection, motor overload protection, status and fault warnings
- 3 phase controlled
- Analog output
- Profinet-Profibus-Modbus communication possibility
- General Motor applications appropriate
- IE3/IE4 ready

3RW52 GENERATION SOFT STARTERS

Routing with Direct and Root3 Link

Material Type	Motor Power* (kW)	Rated Current * (A)	Order No**	Min. Order Qty
3RW52 GENERATION SOFT STARTERS				
Routing with Direct and Root3 Link				
	5,5 (11)	13 (22,5)	3RW5213-1AC14	1
	7,5 (15)	18 (31,5)	3RW5214-1AC14	1
	11 (18,5)	25 (43,3)	3RW5215-1AC14	1
	15 (22)	32 (55,4)	3RW5216-1AC14	1
	18,5 (30)	38 (65,8)	3RW5217-1AC14	1
	22 (45)	47 (81,4)	3RW5224-1AC14	1
	30 (55)	63 (109)	3RW5225-1AC14	1
	37 (75)	77 (133)	3RW5226-1AC14	1
	45 (90)	93 (161)	3RW5227-1AC14	1
	55 (110)	113 (196)	3RW5234-6AC14	1
	75 (132)	143 (248)	3RW5235-6AC14	1
	90 (160)	171 (296)	3RW5236-6AC14	1
	110 (200)	210 (364)	3RW5243-6AC14	1
	132 (250)	250 (433)	3RW5244-6AC14	1
	160 (315)	315 (546)	3RW5245-6AC14	1
	200 (355)	370 (641)	3RW5246-6AC14	1
	250 (400)	470 (814)	3RW5247-6AC14	1
	315 (560)	570 (987)	3RW5248-6A C14	1

Control Voltage

- 24 V AC/DC
- 110 ... 250 V AC



* Values in parentheses are valid when root 3 connection is applied.

NOTE : When SIRIUS Softstarter is used, there is no need for an additional by-pass contactor for bridging purposes. For bidirectional motor applications, different operating voltages and control voltages, please consult technical support.

The power ratings in the table based on thermal trip class CLASS 10A. Consult technical support for the selection of the device for severe road conditions (CLASS 20 / CLASS 30).



Advanced HMI Module



Standard HMI Module



PROFIBUS Module

PROFIBUS module	Suitable for 3RW50, 3RW52 and 3RW55	3RW5980-0CP00	1
PROFINET module - standard	Suitable for 3RW50, 3RW52 and 3RW55	3RW5980-0CS00	1
PROFINET module - HF	Suitable for 3RW55	3RW5950-0CH00	1
MODBUS TCP module	Suitable for 3RW50, 3RW52 and 3RW55	3RW5980-0CT00	1
MODBUS RTU module	Suitable for 3RW50, 3RW52 and 3RW55	3RW5980-0CR00	1
EtherNet/IP module	Suitable for 3RW50, 3RW52 and 3RW55	3RW5980-0CE00	1
HMI module standard type	Suitable for 3RW50 and 3RW52	3RW5980-0HS00	1
HMI module advanced type	Suitable for 3RW50, 3RW52 and 3RW55	3RW5980-0HF00	1
HMI connection cable (0.1 m)	Suitable for 3RW50, 3RW52 and 3RW55	3UF7931-0AA00-0	1
HMI connection cable (2.5 m)	Suitable for 3RW50, 3RW52 and 3RW55	3UF7933-0BA00-0	1
HMI connection cable (1 m)	Suitable for 3RW50, 3RW52 and 3RW55	3UF7937-0BA00-0	1
Communication module connection cable (0.3 m)	Suitable for 3RW50	3RW5900-0CC00	1
SIRIUS Soft starter ES V18 (TIA Portal) Professional License (Software DVD and license key in USB)		3ZS1320-6CC14-0YA5	1
SIRIUS Soft starter ES V20 (TIA Portal) Professional License (Downloadable license key)*		3ZS1320-6CE16-0YB5	1

* You can download SIRIUS Soft starter ES V20 software from the link below and use the basic version for free.

[https://support.industry.siemens.com/cs/document/109974067/sirius-soft-starter-es-v20-\(tia-portal\)?dti=0&lc=en-WW](https://support.industry.siemens.com/cs/document/109974067/sirius-soft-starter-es-v20-(tia-portal)?dti=0&lc=en-WW)



You can download and use our STS - soft starter simulation software free of charge to make your soft starter selections easily and accurately.

[https://support.industry.siemens.com/cs/document/101494917/simulation-tool-for-soft-starters-\(sts\)?dti=0&dl=en&lc=en&lc=en-TR](https://support.industry.siemens.com/cs/document/101494917/simulation-tool-for-soft-starters-(sts)?dti=0&dl=en&lc=en&lc=en-TR)

SIRIUS soft starters

3RW30/3RW40/3RW50/ soft starters



3RW40..-1BB14

Material Type	Motor Power (kW)	Rated Current (A)	Order No*	Min. Order Qty
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3RW40 SOFT STARTERS

Soft Start with Direct Connection

Material Type	Motor Power (kW)	Rated Current (A)	Order No*	Min. Order Qty
<ul style="list-style-type: none"> Rated voltage 200-460 V ($\pm 10\%$) Four separate adjustment potentiometers <ol style="list-style-type: none"> Voltage ramp adjustment Current limiting Stop time setting 0-20 s Departure time setting 110-230V AC/DC, Control Voltage (up to 3RW4055) Integrated by-pass contacts 	5.5	12.5	3RW4024-1BB14	1
	11	25	3RW4026-1BB14	1
	15	32	3RW4027-1BB14	1
	18.5	38	3RW4028-1BB14	1
	22	45	3RW4036-1BB14	1
	30	63	3RW4037-1BB14	1
	37	72	3RW4038-1BB14	1
	45	80	3RW4046-1BB14	1
	55	106	3RW4047-1BB14	1

Control Voltage

- 24 V AC/DC
- 110 ... 230 V AC

0
1



3RW50...-6AB14

3RW50 GENERATION SOFT STARTERS

Soft Start with Direct Connection

Material Type	Motor Power (kW)	Rated Current (A)	Order No*	Min. Order Qty
<ul style="list-style-type: none"> Rated Voltage 200-480V % -15 / % +10 2 phase controlled 4 adjustment potentiometers <ol style="list-style-type: none"> Voltage ramp adjustment Departure time setting Current limiting Stop time setting AC 110*250V control voltage Integrated by-pass contacts Integrated thermal protection 	75	143	3RW5055-6AB14	1
	90	171	3RW5056-6AB14	1
	110	210	3RW5072-6AB14	1
	132	250	3RW5073-6AB14	1
	160	315	3RW5074-6AB14	1
	200	370	3RW5075-6AB14	1
	250	470	3RW5076-6AB14	1
	315	570	3RW5077-6AB14	1

Control Voltage

- 24 V AC/DC
- 110 ... 250 V AC

0
1



3RW30...-1BB14

3RW30 SOFT STARTERS

Soft Start with Direct Connection

Material Type	Motor Power (kW)	Rated Current (A)	Order No*	Min. Order Qty
<ul style="list-style-type: none"> Rated voltage 200-480 V ($\pm 10\%$) Two separate adjustment potentiometers <ol style="list-style-type: none"> Voltage ramp adjustment Departure time setting 0-20 s 110-230V AC/DC, Control Voltage Travel warning LED, 1 NO warning contact Integrated by-pass contacts Compatibility with SIRIUS 	1.5	3.6	3RW3013-1BB14	1
	3	6.5	3RW3014-1BB14	1
	4	9	3RW3016-1BB14	1
	5.5	12.5	3RW3017-1BB14	1
	7.5	17.6	3RW3018-1BB14	1
	11	25	3RW3026-1BB14	1
	15	32	3RW3027-1BB14	1
	18.5	38	3RW3028-1BB14	1
	22	45	3RW3036-1BB14	1
	30	63	3RW3037-1BB14	1
	37	72	3RW3038-1BB14	1
	45	80	3RW3046-1BB14	1
	55	106	3RW3047-1BB14	1

Control Voltage

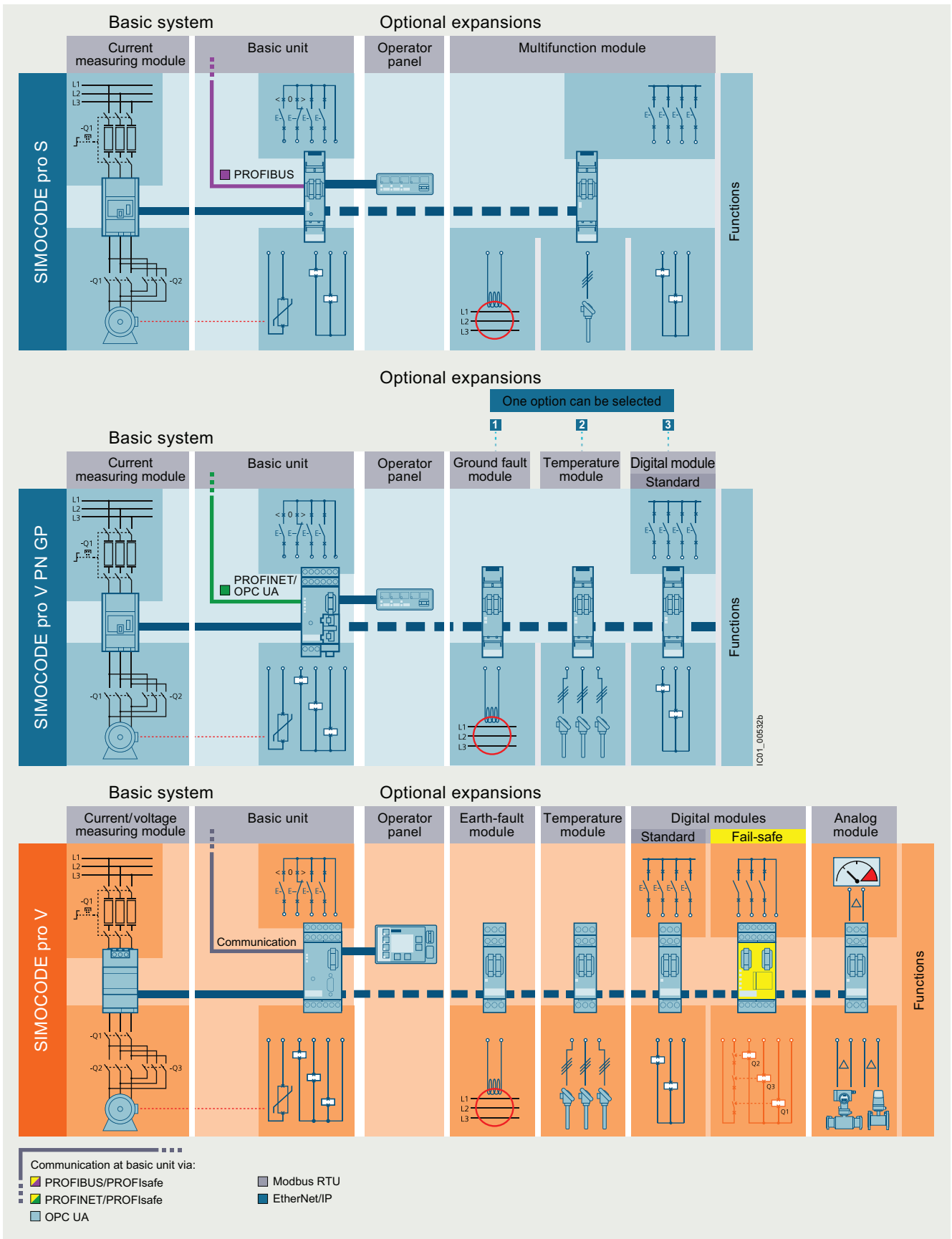
- 24 V AC/DC
- 110 ... 230 V AC

0
1

NOTE: When using SIRIUS Softstarter there is no need for an additional by-pass Contactor for bridging purposes. contact our company for bidirectional motor applications.

SIMOCODE Motor management systems

3UF7 Motor management systems



System structure

SIMOCODE Motor management systems

3UF7 Motor management systems

Material Type	Order No	
---------------	----------	--

Main Modules



3UF7020-1AU01-0

PROFIBUS Communication

Simocode Pro C - 110..240V AC / DC Simocode
Pro S - 24V DC
Simocode Pro S - 110..240V AC / DC Simocode
Pro V - 24V DC
Simocode Pro V - 110..240VAC / DC

3UF7000-1AU00-0	
3UF7020-1AB01-0	
3UF7020-1AU01-0	
3UF7010-1AB00-0	
3UF7010-1AU00-0	

PROFINET Communication

Simocode Pro V PN - 24V DC
Simocode Pro V PN - 110..240V AC / DC

3UF7011-1AB00-0	
3UF7011-1AU00-0	



3UF7011-1AU00-0

Modbus RTU Communication

Simocode Pro V Modbus RTU - 24V DC
Simocode Pro V Modbus RTU - 110..240V AC/DC

3UF7012-1AB00-0	
3UF7012-1AU00-0	

EtherNet / IP Communication

Simocode Pro V EtherNet / IP - 24V DC
Simocode Pro V EtherNet / IP - 110..240V AC / DC

3UF7013-1AB00-0	
3UF7013-1AU00-0	

Current Measurement Modules

0.3 .. 3A
2.4..25A
10..100A
20..200A
63..630A

3UF7100-1AA00-0	
3UF7101-1AA00-0	
3UF7102-1AA00-0	
3UF7103-1AA00-0	
3UF7104-1BA00-0	



3UF7114-1BA00-0

Second Generation Current/Voltage Measurement Modules (for SIMOCODE Pro V)*

0.3..4A - up to 690 V
3...40A - up to 690 V
10...115A - up to 690 V
20...200A - up to 690 V
63...630A - up to 690 V

3UF7110-1AA01-0	
3UF7111-1AA01-0	
3UF7112-1AA01-0	
3UF7113-1AA01-0	
3UF7114-1BA01-0	

* Second Generation Current/Voltage measurement modules can be used in SIMOCODE Pro V PROFIBUS E15, Pro V PN E10 and Pro V EtherNet/IP E01, Pro V 0 Modbus RTU E02 version and later products.



3UF7110-1AA01-0

Expansion Modules

SIMOCODE Pro S Expansion Modules

Multifunctional module 24 V DC Multifunctional
module 110..240 V AC / DC

3UF7600-1AB01-0	
3UF7600-1AU01-0	

SIMOCODE Pro V Expansion Modules

Digital expansion module 24 V DC
Digital expansion module 110...240 V AC/DC
Analog expansion module
Residual current module (with 3UL23 current
transformer) Temperature Module
DM-F Local safe expansion module 24 V DC
DM-F PROFISAFE safety expansion module 24 V DC

3UF7300-1AB00-0	
3UF7300-1AU00-0	
3UF7400-1AA00-0	
3UF7510-1AA00-0	
3UF7700-1AA00-0	
3UF7320-1AB00-0	
3UF7330-1AB00-0	



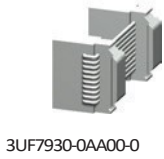
3UF7300-1AU00-0

SIMOCODE Motor management systems

3UF7 Motor management systems

Material Type	Order No	
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Connection Cables Between Modules



0.025 m flat cable
0.1 m flat cable
0.3 m flat cable
0.5 m flat cable
1.0 m round cable
2.5 m round cable

3UF7930-0AA00-0	
3UF7931-0AA00-0	
3UF7935-0AA00-0	
3UF7932-0AA00-0	
3UF7937-0BA00-0	
3UF7933-0BA00-0	



Operator Panels

Operator Panel Titanium Gray
Instrument Panel Titanium Gray*

3UF7200-1AA01-0	
3UF7210-1AA01-0	



* Only available with SIMOCODE Pro V, Pro V PN and Pro V Modbus RTU.



Accessories

Memory Module

Initialization module (Board mount)

3UF7902-0AA00-0	
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Initialization Module Y Connection Cable

0,1 - 1,0 m
0,5 - 1,0 m
1,0 - 1,0 m

3UF7931-0CA00-0	
3UF7932-0CA00-0	
3UF7937-0CA00-0	



Other Accessories

Adapter for connection from outside the enclosure
Profibus addressing connector
PRO S PROFIBUS cable display connection and support terminal

3UF7920-0AA00-0	
3UF7910-0AA00-0	
3UF7960-0AA00-0	



PC Connection Cables

PC connection cable USB

3UF7941-0AA00-0	
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3UF7941-0AA00-0

Software



SIMOCODE ES V20 Professional License (Software DVD and USB)
SIMOCODE ES V20 Professional License (Downloadable license key)
SIMOCODE ES 2007 Premium to V18 update license

3ZS1322-6CC18-0YA5	
3ZS1322-6CE18-0YB5	
3ZS1322-6CC16-0YE5	

SIMOCODE Motor management systems

3UF8 Motor management systems



3UF8011-2AB00-0



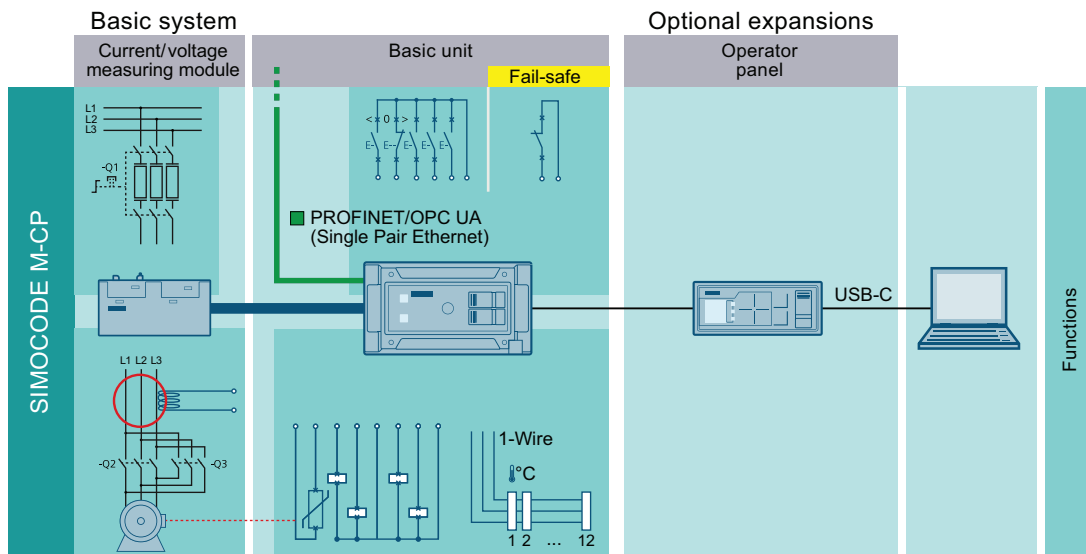
3UF8200-1AA00-0



3UF8111-1AA00-0

Material Type	Order No	
Main Modules		NEW
SIMOCODE M-CP Profinet - 24 V DC*	3UF8011-2AB00-0	
SIMOCODE M-CP Profinet - 110/240 V AC/DC*	3UF8011-2AU00-0	
Operator Panel		NEW
	3UF8200-1AA00-0	
Current/Voltage Measurement Module		NEW
0.3..40A - up to 690 V	3UF8110-1AA00-0	
10..115A - up to 690 V	3UF8111-1AA00-0	
63...630A - up to 690 V	3UF8112-1AA00-0	
Accessories		NEW
Front panel IP54 isolation part	3UF8923-0AA00-0	
Front panel mounting kit large	3UF8922-0BA00-0	
Front panel mounting kit narrow	3UF8922-0AA00-0	
DIN rail adapter (for measuring module and main module)	3UF8920-0AA00-0	
Mounting kit for busbar connection of the measuring module to SIRIUS contactors in size S6 - S12	3UF8950-0AA00-0	
Connection cable, length 0.5 m, for main module and operator panel installation connection	3UF8932-0BA00-0	
Connection cable, length 1 m, for main module and operator panel installation connection	3UF8937-0BA00-0	
Initialization module for automatic parameterization. Compatible with drawer unit.	3UF8902-0AA00-0	

*Versions with Modbus TCP and EtherNet/IP communication will be available from mid-2025.



System structure

AS-Interface

Communication modules, power supplies, cables, addressing device and slave modules



3RK7243-2AA30-0XB0



3RK7137-6SA00-0BC1



3RX9501-0BA00



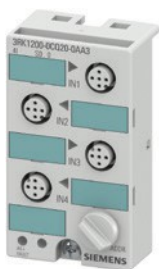
3RX9010-0AA00



3RX9010-0AA00



3RK2400-2CE00-2AA2



3RK2200-0CQ20-0AA3

Material Type	Order No.		Min. Order Qty
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AS-Interface Communication Modules

S7-1200 Master

CM 1243-2

3RK7243-2AA30-0XB0

1

ET 200SP Master

CM AS-I Master ST (Base Unit must be ordered separately)*

3RK7137-6SA00-0BC1

1

F-CM AS-I Safety ST (Base Unit must be ordered separately)**

3RK7136-6SC00-0BC1

1

* Base Unit-BU20-P6+A2+4D (6ES7193-6BP20-0DC0) must be ordered from the Automation list.

** Base Unit-BU20-P6+A2+A2+4B (6ES7193-6BP20-0BC1) must be ordered from the Automation list.

Data Decoupling Modules

Input for AS-I Master CM 1243-2: 24V DC / output: 30V DC 1x4A
single Data Decoupling Module

3RK7271-1AA30-0AA0

1

3RK1901-1DE12-1AA0

1

AS-I Power Supplies

Input: AC 120 /230 V - Output: 3A

3RX9501-0BA00

1

Input: 24V DC - Output: 3A

3RX9501-1BA00

1

Input: AC 120 /230 V - Output: 5A

3RX9502-0BA00

1

Input: AC 120 /230 V - Output: 8A

3RX9503-0BA00

1

AS-I Cables

AS-I yellow cable , 100 m

3RX9010-0AA00

1

AS-I black cable (DC 24 V), 100 m

3RX9020-0AA00

1

AS-I Addressing Device

3RK1904-2AB02

1

In-Panel Slave Modules IP20

4DI 2-wire connection - 17.5

3RK2200-0CG00-2AA2

4DI 3-wire connection - 22.5

3RK2200-2CG00-2AA2

4DI/4DO Relay output 3-wire connection - 22.5

3RK2402-2CG00-2AA2

4DI/4DO 2A semiconductor output 3-wire connection - 22.5

3RK2400-2CG00-2AA2

4 Analog inputs - Voltage or current selectable (1-5V, 4-20 mA) 4

3RK1207-0CG00-2AA2

Analog inputs - Thermal resistance (Pt100, Ni100 0-600Ω)

3RK1207-3CG00-2AA2

2 Analog outputs - Voltage or current selectable (1-5V, 0-10V, 0/4-20 mA)

3RK1107-0BG00-2AA2

2 Safety inputs - ASIsafe 17.5F

3RK1205-0BG00-2AA2

2 Safety inputs, 2 Standard outputs - ASIsafe 17.5F

3RK1405-2BG00-2AA2

K45 Field Slave Modules, IP67

Slave Type A/B

4DI*

3RK2200-0CQ20-0AA3

3DO (1A)*

3RK2100-1EQ20-0AA3

2DI / 2DO (2A)*

3RK2400-1BQ20-0AA3

Slave Type Standard

4DI*

3RK1200-0CQ20-0AA3

4DO (1A)*

3RK1100-1CQ20-0AA3

K45 Mounting Plate

Wall mount

3RK1901-2EA00

Standard rail mount

3RK1901-2DA00

**K45 mounting plate not included. Can be ordered separately.

AS-Interface

Slave modules and accessories

Material Type	Order No	
---------------	----------	--

K60 Field Slave Modules, IP67



3RK2400-1DQ00-0AA3

Digital I/O Modules Slave Type A/B

8DI**
4DI / 4DO (2A)**
4DI / 3DO (2A)**

3RK2200-0DQ00-0AA3	
3RK2400-1DQ00-0AA3	
3RK2400-1FQ03-0AA3	

Digital I/O Modules Slave Type A/B

8DI**
4DI / 4DO (2A)**

3RK1200-0DQ00-0AA3	
3RK1400-1DQ00-0AA3	

Analog Modules: Slave Type A/B

2AI - 4..20 mA / ± 20 mA**
2AI ± 10 V / 1..5 V**

3RK2207-1BQ50-0AA3	
3RK2207-2BQ50-0AA3	

Analog Modules Slave Type Standard

2AI - 4..20 mA / ± 20 mA**
2AI ± 10 V / 1..5 V**
4AI - 4..20 mA / ± 20 mA**
4AI ± 10 V / 1..5 V**
2AO - 4..20 mA / ± 20 mA / 0..20 mA**
2AO ± 10 V / 0..10 V / 1..5 V**

3RK1207-1BQ40-0AA3	
3RK1207-2BQ40-0AA3	
3RK1207-1BQ44-0AA3	
3RK1207-2BQ44-0AA3	
3RK1107-1BQ40-0AA3	
3RK1107-2BQ40-0AA3	



3RK1 901-0CA00

K60 Mounting Plates

Wall mounting Standard
rail mounting

3RK1901-0CA00	
3RK1901-0CB01	

**K60 mounting plate not included. Can be ordered separately.

AS-I Accessories



3RK1901-1NN10
3RK1901-1NR21



3RK1901-1NR10

Extension plug (used to extend the As-I line up to 200 m)
Repeater (Adds an extra segment to an existing AS-I line.)
AS-I cable distributor element
AS-I / M12 branching element (carrying capacity 4A)
AS-I / M12 branching element with 1m cable
AS-I and Uaux / M12 branching element with 1m cable
AS-I/M12 branching element (carrying capacity 2A)
M12 straight connector 5 pole screw connection (Max. 0.75 mm²)
AS-I cable terminator, IP 67
Mounting plate terminator
Protective cover for IP 67 module empty M12 inputs

3RK1901-1MX02		1
6GK1210-0SA01		1
3RK1901-2NN10		1
3RK1901-2NR10		1
3RK1901-2NR11		1
3RK1901-2NR21		1
3RX9801-0AA00		1
3RK1902-4BA00-5AA0		1
3RK1901-1MN00		10
3RK1902-0AR00		5
3RK1901-1KA00		10

SENTRON protection devices

System appearance and features

3VA10-3VA26 Coding Systematics

Online configurator:

www.siemens.com/lowvoltage/configurator-3VA

		3VA	4	5	6	7	8	9	10	11	12	— 0AA0			
Protection Unit	Thermal Magnetic	1													
	Electronics	2													
Size (Case Type)	100 A		0												
	160 A		1												
	250 A		2												
	400 A		3												
	630 A		4												
	1200 A		5												
	1250 A		6												
Rated Current		3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25	3VA26		
	8 A	■	-	-	-	-	-	-	-	-	-	-	-	0	8
	12.5 A	■	-	-	-	-	-	-	-	-	-	-	-	9	2
	16 A	■	-	-	-	-	-	-	-	-	-	-	-	9	6
	20 A	■	-	-	-	-	-	-	-	-	-	-	-	2	0
	25 A	■	-	-	-	-	-	-	-	-	-	-	-	2	5
	32 A	■	-	-	-	-	-	-	-	-	-	-	-	3	2
	40 A	■	-	-	-	-	■	■	-	-	-	-	-	4	0
	50 A	■	-	-	-	-	-	-	-	-	-	-	-	5	0
	63 A	■	-	-	-	-	■	■	-	-	-	-	-	6	3
	80 A	■	-	-	-	-	-	-	-	-	-	-	-	8	0
	100 A	■	-	-	-	-	■	■	-	-	-	-	-	1	0
	125 A	■	-	-	-	-	-	-	-	-	-	-	-	1	2
	160 A	■	■	-	-	-	-	■	■	-	-	-	-	1	6
	200 A	-	■	-	-	-	-	-	-	-	-	-	-	2	0
	250 A	-	■	■	-	-	-	-	■	■	-	-	-	2	5
	320 A	-	-	■	-	-	-	-	-	-	-	-	-	3	2
	400 A	-	-	■	■	-	-	-	-	■	■	-	-	4	0
	500 A	-	-	-	■	-	-	-	-	-	■	-	-	5	0
	630 A	-	-	-	■	■	-	-	-	-	■	■	-	6	3
	800 A	-	-	-	-	■	-	-	-	-	-	■	-	8	0
	1000 A	-	-	-	-	■	-	-	-	-	-	■	-	1	0
	1250 A	-	-	-	-	-	-	-	-	-	-	■	-	1	2
Short Circuit Breaking Capacity Icu=Ics , 380...415V	Overload and Short Circuit Unprotected	3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25	3VA26		
	16 kA	-	-	-	-	-	-	-	-	-	-	-	-		1
	25 kA	■	-	-	-	-	-	-	-	-	-	-	-		2
	36 kA	■	■	■	■	-	-	-	-	■	■	-	-		3
	55 kA	■	■	■	■	■	■	■	■	■	■	■	■		4
	70 kA	■	■	■	■	■	-	-	-	-	-	-	-		5
	85 kA	-	-	-	-	-	■	■	■	■	■	■	■		6
	110 kA	-	-	-	-	-	■	■	■	■	■	■	■		6
	150 kA	-	-	-	-	-	■	■	■	■	■	■	■		7
		-	-	-	-	-	-	■	■	■	■	■	-		8
		-	-	-	-	-	-	■	■	■	■	-	-		9

SENTRON protection devices

System appearance and features

		3VA	4	5	6	7	8	9	10	11	12	0AA0						
Thermal Magnetic Protection	Unprotected	3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25	3VA26	SD100	-	A		
	Line Protection	■	■	■	■	■	■	■	■	■	■	■	■	■	TM210	FTFM	D	
		■	■	■	■	■	■	■	■	■	■	■	■	■	TM220	ATFM	E	
		■	■	■	■	■	■	■	■	■	■	■	■	■	TM240	ATAM	F	
	Starter Protection	■	■	■	■	■	■	■	■	■	■	■	■	■	TM110M	FM	G	
		■	■	■	■	■	■	■	■	■	■	■	■	■	TM120M	AM	H	
		■	■	■	■	■	■	■	■	■	■	■	■	■				
		■	■	■	■	■	■	■	■	■	■	■	■	■				
Neutral Conductor Protection (Thermal Magnetic)	Unprotected															A		
	Line Protection																E	
																	F	
																	G	
	Starter Protection																M	
Electronic Protection	Line Protection	3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25	3VA26	ETU340	ELISA LI	H	K	
		■	■	■	■	■	■	■	■	■	■	■	■	■	ETU320	LI	H	L
		■	■	■	■	■	■	■	■	■	■	■	■	■	ETU330	LIG	H	M
	Line and Generator Protection	■	■	■	■	■	■	■	■	■	■	■	■	■	ETU350	LSI	H	N
	Line and Generator Protection, Screened	■	■	■	■	■	■	■	■	■	■	■	■	■	ETU550	LSI	J	P
		■	■	■	■	■	■	■	■	■	■	■	■	■	ETU560	LSIG	J	Q
	Line and Generator Protection, Displayed, Energy Data Collection, Feature	■	■	■	■	■	■	■	■	■	■	■	■	■	ETU850	LSI	K	P
		■	■	■	■	■	■	■	■	■	■	■	■	■	ETU860M	LSIG	K	Q
	Motor Protection	■	■	■	■	■	■	■	■	■	■	■	■	■	ETU350M	LSI	M	N
	Motor Protection , Displayed	■	■	■	■	■	■	■	■	■	■	■	■	■	ETU550M	LSI	M	P
	Motor Protection , Display , Energy Data Collection Feature	■	■	■	■	■	■	■	■	■	■	■	■	■	ETU860M	LSIG	M	Q
Protection, Screened	■	■	■	■	■	■	■	■	■	■	■	■	■	ETU310M	I	M	S	
Number of Poles	1 Pole	■	■	■	■	■	■	■	■	■	■	■	■				1	
	2 Pole	■	■	■	■	■	■	■	■	■	■	■	■				2	
	3 Pole	■	■	■	■	■	■	■	■	■	■	■	■				3	
	4 Pole	■	■	■	■	■	■	■	■	■	■	■	■				4	
		■	■	■	■	■	■	■	■	■	■	■	■	■				
Connection Type	Block Terminal Block	■	■	■	■	■	■	■	■	■	■	■	■				2	
	Connection with Busbar	■	■	■	■	■	■	■	■	■	■	■	■				6	

STSM (Constant Thermal Constant Magnetic) : No Thermal and Magnetic Settings
 ATSM (Adjustable Thermal Constant Magnetic) : Thermally Adjustable and
 Magnetic Unadjustable ATAM (Adjustable Thermal Adjustable Magnetic) :
 Thermally Adjustable and Magnetic Adjustable SM (Constant Magnetic) : No
 Thermal Protection, Magnetic Unadjustable
 AM (Adjustable magnetic) :No Thermal Protection, Magnetic Adjustable

SENTRON protection devices

3VA compact type power switches

ACT POWER SWITCHES

SWITCHES LINE PROTECTION

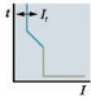
3-Pole Compact Switches (IEC60947-2 standard)

- 3VA1 thermally regulated, magnetic fixed, with TM220 thermal magnetic protection unit, with block terminal connection or busbar connection adapter
- 3VA1 thermally regulated, magnetically regulated, with TM240 thermal magnetic protection unit, with block terminal connection or busbar connection adapter

380/415VAC/50Hz , Ics=Icu



3VA11

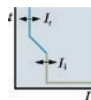


TM220

Tip	Rated Current In(A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field II(A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA11	16	11 ... 16	320	TM220	3VA1196-4EE36-0AA0	36		1
	20	14 ... 20	320	TM220	3VA1120-4EE36-0AA0	36		1
	25	18 ... 25	320	TM220	3VA1125-4EE36-0AA0	36		1
	32	22 ... 32	320	TM220	3VA1132-4EE36-0AA0	36		1
	40	28 ... 40	400	TM220	3VA1140-4EE36-0AA0	36		1
	50	35 ... 50	500	TM220	3VA1150-4EE36-0AA0	36		1
	63	44 ... 63	630	TM220	3VA1163-4EE36-0AA0	36		1
	80	56 ... 80	800	TM220	3VA1180-4EE36-0AA0	36		1
	100	70 ... 100	1000	TM220	3VA1110-4EE36-0AA0	36		1
	125	88 ... 125	1250	TM220	3VA1112-4EE36-0AA0	36		1
	160	112 ... 160	1600	TM220	3VA1116-4EE36-0AA0	36		1



3VA12



TM240

3VA11	16	11 ... 16	160 ... 320	TM240	3VA1196-4EF36-0AA0	36		1
	20	14 ... 20	160 ... 320	TM240	3VA1120-4EF36-0AA0	36		1
	25	18 ... 25	160 ... 320	TM240	3VA1125-4EF36-0AA0	36		1
	32	22 ... 32	160 ... 320	TM240	3VA1132-4EF36-0AA0	36		1
	40	28 ... 40	200 ... 400	TM240	3VA1140-4EF36-0AA0	36		1
	50	35 ... 50	250 ... 500	TM240	3VA1150-4EF36-0AA0	36		1
	63	44 ... 63	315 ... 630	TM240	3VA1163-4EF36-0AA0	36		1
	80	56 ... 80	400 ... 800	TM240	3VA1180-4EF36-0AA0	36		1
	100	70 ... 100	500 ... 1000	TM240	3VA1110-4EF36-0AA0	36		1
	125	88 ... 125	625 ... 1250	TM240	3VA1112-4EF36-0AA0	36		1
	160	112 ... 160	800 ... 1600	TM240	3VA1116-4EF36-0AA0	36		1
3VA12	200	140 ... 200	1000...2000	TM240	3VA1220-4EF32-0AA0	36		1
	250	175 ... 250	1250...2500	TM240	3VA1225-4EF32-0AA0	36		1
3VA13	320	220 ... 320	1600...3200	TM240	3VA1332-4EF32-0AA0	36		1
	400	280 ... 400	2000...4000	TM240	3VA1340-4EF32-0AA0	36		1
3VA14	500	350 ... 500	2500...5000	TM240	3VA1450-4EF32-0AA0	36		1
	630	440 ... 630	2520...5040	TM240	3VA1463-4EF32-0AA0	36		1

SENTRON protection devices

3VA compact type power switches

ACT POWER SWITCHES

SWITCHES LINE PROTECTION

3-Pole Compact Switches (IEC60947-2 standard)

- 3VA1 thermally regulated, magnetic fixed, with TM220 thermal magnetic protection unit, with block terminal connection or busbar connection adapter
- 3VA1 thermally regulated, magnetically regulated, with TM240 thermal magnetic protection unit, with block terminal connection or busbar connection adapter

380/415VAC/50Hz , I_{cs}=I_{cu}



3VA11

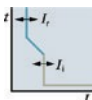


TM220

Tip	Rated Current I _n (A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field I _m (A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA11	16	11 ... 16	320	TM220	3VA1196-5EE36-0AA0	55		1
	20	14 ... 20	320	TM220	3VA1120-5EE36-0AA0	55		1
	25	18 ... 25	320	TM220	3VA1125-5EE36-0AA0	55		1
	32	22 ... 32	320	TM220	3VA1132-5EE36-0AA0	55		1
	40	28 ... 40	400	TM220	3VA1140-5EE36-0AA0	55		1
	50	35 ... 50	500	TM220	3VA1150-5EE36-0AA0	55		1
	63	44 ... 63	630	TM220	3VA1163-5EE36-0AA0	55		1
	80	56 ... 80	800	TM220	3VA1180-5EE36-0AA0	55		1
	100	70 ... 100	1000	TM220	3VA1110-5EE36-0AA0	55		1
	125	88 ... 125	1250	TM220	3VA1112-5EE36-0AA0	55		1
	160	112 ... 160	1600	TM220	3VA1116-5EE36-0AA0	55		1



3VA12



TM240

3VA11	16	11 ... 16	160 ... 320	TM240	3VA1196-5EF36-0AA0	55		1
	20	14 ... 20	160 ... 320	TM240	3VA1120-5EF36-0AA0	55		1
	25	18 ... 25	160 ... 320	TM240	3VA1125-5EF36-0AA0	55		1
	32	22 ... 32	160 ... 320	TM240	3VA1132-5EF36-0AA0	55		1
	40	28 ... 40	200 ... 400	TM240	3VA1140-5EF36-0AA0	55		1
	50	35 ... 50	250 ... 500	TM240	3VA1150-5EF36-0AA0	55		1
	63	44 ... 63	315 ... 630	TM240	3VA1163-5EF36-0AA0	55		1
	80	56 ... 80	400 ... 800	TM240	3VA1180-5EF36-0AA0	55		1
	100	70 ... 100	500 ... 1000	TM240	3VA1110-5EF36-0AA0	55		1
	125	88 ... 125	625 ... 1250	TM240	3VA1112-5EF36-0AA0	55		1
	160	112 ... 160	800 ... 1600	TM240	3VA1116-5EF36-0AA0	55		1
	3VA12	200	140 ... 200	1000...2000	TM240	3VA1220-5EF32-0AA0	55	
250		175 ... 250	1250...2500	TM240	3VA1225-5EF32-0AA0	55		1
3VA13	320	220 ... 320	1600...3200	TM240	3VA1332-5EF32-0AA0	55		1
	400	280 ... 400	2000...4000	TM240	3VA1340-5EF32-0AA0	55		1
3VA14	500	350 ... 500	2500...5000	TM240	3VA1450-5EF32-0AA0	55		1
	630	440 ... 630	2520...5040	TM240	3VA1463-5EF32-0AA0	55		1
3VA15	800	560 ... 800	4000...8000	TM240	3VA1580-5EF32-0AA0	55		1
	1000	700 ... 1000	5000...10000	TM240	3VA1510-5EF32-0AA0	55		1

SENTRON protection devices

3VA compact type power switches

ACT POWER SWITCHES

SWITCHES LINE PROTECTION

3-Pole Compact Switches (IEC60947-2 standard)

- 3VA1 thermally regulated, magnetic fixed, with TM220 thermal magnetic protection unit, with block terminal connection or busbar connection adapter

380/415VAC/50Hz , Ics=Icu



3VA15

Tip	Rated Current In(A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field II(A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA11	16	11 ... 16	160 ... 320	TM240	3VA1196-6EF36-0AA0	70		1
	20	14 ... 20	160 ... 320	TM240	3VA1120-6EF36-0AA0	70		1
	25	18 ... 25	160 ... 320	TM240	3VA1125-6EF36-0AA0	70		1
	32	22 ... 32	160 ... 320	TM240	3VA1132-6EF36-0AA0	70		1
	40	28 ... 40	200 ... 400	TM240	3VA1140-6EF36-0AA0	70		1
	50	35 ... 50	250 ... 500	TM240	3VA1150-6EF36-0AA0	70		1
	63	44 ... 63	315 ... 630	TM240	3VA1163-6EF36-0AA0	70		1
	80	56 ... 80	400 ... 800	TM240	3VA1180-6EF36-0AA0	70		1
	100	70 ... 100	500 ... 1000	TM240	3VA1110-6EF36-0AA0	70		1
	125	88 ... 125	625 ... 1250	TM240	3VA1112-6EF36-0AA0	70		1
	160	112 ... 160	800 ... 1600	TM240	3VA1116-6EF36-0AA0	70		1
3VA12	200	140 ... 200	1000...2000	TM240	3VA1220-6EF32-0AA0	70		1
	250	175 ... 250	1250...2500	TM240	3VA1225-6EF32-0AA0	70		1
3VA13	320	220 ... 320	1600...3200	TM240	3VA1332-6EF32-0AA0	70		1
	400	280 ... 400	2000...4000	TM240	3VA1340-6EF32-0AA0	70		1
3VA14	500	350 ... 500	2500...5000	TM240	3VA1450-6EF32-0AA0	70		1
	630	440 ... 630	2520...5040	TM240	3VA1463-6EF32-0AA0	70		1
3VA15	800	560 ... 800	4000...8000	TM240	3VA1580-6EF32-0AA0	70		1
	1000	700 ... 1000	5000...10000	TM240	3VA1510-6EF32-0AA0	70		1



3VA13

UNPROTECTED LOAD BREAKERS

3-Pole Load Disconnectors without protection unit (IEC60947-3 standard)

3 pole 380/415VAC/50Hz

3VA11	63	--	--	--	3VA1163-1AA36-0AA0	--		1
	100	--	--	--	3VA1110-1AA36-0AA0	--		1
	125	--	--	--	3VA1112-1AA36-0AA0	--		1
	160	--	--	--	3VA1116-1AA36-0AA0	--		1
3VA12	250	--	--	--	3VA1225-1AA32-0AA0	--		1
3VA13	400	--	--	--	3VA1340-1AA32-0AA0	--		1
3VA14	630	--	--	--	3VA1463-1AA32-0AA0	--		1

SENTRON protection devices

3VA compact type power switches

ACT POWER SWITCHES

SWITCHES LINE PROTECTION

3-Pole Compact Switches (IEC60947-2 standard)

- 3VA2 type thermally and magnetically regulated LI protected ETU320 electronic protection unit with busbar connection adapter

380/415VAC/50Hz , Ics=Icu



3VA25



3VA26



3VA27



ETU320

Tip	Rated Current In(A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field II(A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA23	400	160 ... 400	600 ... 4000	ETU320	3VA2340-4HL32-0AA0	36		1
3VA24	630	250 ... 630	945 ... 6300	ETU320	3VA2463-4HL32-0AA0	36		1
3VA21	63	25 ... 63	150 ... 1200	ETU320	3VA2163-5HL32-0AA0	55		1
	100	40 ... 100	150 ... 1200	ETU320	3VA2110-5HL32-0AA0	55		1
	160	63 ... 160	240 ... 1600	ETU320	3VA2116-5HL32-0AA0	55		1
3VA22	250	100 ... 250	375 ... 2500	ETU320	3VA2225-5HL32-0AA0	55		1
3VA23	400	160 ... 400	600 ... 4000	ETU320	3VA2340-5HL32-0AA0	55		1
3VA24	630	250 ... 630	945 ... 6300	ETU320	3VA2463-5HL32-0AA0	55		1
3VA25	800	320 ... 800	1200...8000	ETU320	3VA2580-5HL32-0AA0	55		1
	1000	400 ... 1000	1500...10000	ETU320	3VA2510-5HL32-0AA0	55		1
3VA26	1250	500 ... 1250	1875...12500	ETU320	3VA2612-5HL32-0AA0	55		1
3VA27(*)	1250	500 ... 1250	1875...18750	ETU320	3VA2712-5AB03-0AA0	55		1
	1600	640 ... 1600	2400...24000	ETU320	3VA2716-5AB03-0AA0	55		1
3VA21	63	25 ... 63	95 ... 756	ETU320	3VA2163-6HL32-0AA0	85		1
	100	40 ... 100	150 ... 1200	ETU320	3VA2110-6HL32-0AA0	85		1
	160	63 ... 160	240 ... 1600	ETU320	3VA2116-6HL32-0AA0	85		1
3VA22	250	100 ... 250	375 ... 2500	ETU320	3VA2225-6HL32-0AA0	85		1
3VA23	400	160 ... 400	600 ... 4000	ETU320	3VA2340-6HL32-0AA0	85		1
3VA24	630	250 ... 630	945 ... 6300	ETU320	3VA2463-6HL32-0AA0	85		1
3VA25	800	320 ... 800	1200...8000	ETU320	3VA2580-6HL32-0AA0	85		1
	1000	400 ... 1000	1500...10000	ETU320	3VA2510-6HL32-0AA0	85		1
3VA26	1250	500 ... 1250	1875...12500	ETU320	3VA2612-6HL32-0AA0	85		1
3VA27(*)	1250	500 ... 1250	1875...18750	ETU320	3VA2712-6AB03-0AA0	85		1
	1600	640 ... 1600	2400...24000	ETU320	3VA2716-6AB03-0AA0	85		1

(*): 3VA27 Latch type. Motor cannot be installed. Types that can be fitted with motor are specified below.

3VA27 - 3 Pole, motor mountable, with ETU350 LSI electronic protection unit



3VA27

3VA27	800	320 ... 800	1200...12000	ETU350	3VA2780-1AC03-0AA0	55		1
	1000	400 ... 1000	1500...15000	ETU350	3VA2710-1AC03-0AA0	55		1
	1250	500 ... 1250	1875...18750	ETU350	3VA2712-1AC03-0AA0	55		1
	1600	640 ... 1600	2400...24000	ETU350	3VA2716-1AC03-0AA0	55		1
3VA27	800	320 ... 800	1200...12000	ETU350	3VA2780-2AC03-0AA0	85		1
	1000	400 ... 1000	1500...15000	ETU350	3VA2710-2AC03-0AA0	85		1
	1250	500 ... 1250	1875...18750	ETU350	3VA2712-2AC03-0AA0	85		1
	1600	640 ... 1600	2400...24000	ETU350	3VA2716-2AC03-0AA0	85		1

* See 74-75 for 3VA27 type circuit breaker accessories.

SENTRON protection devices

3VA compact type power switches, starter and motor protection

3VA COMPACT SWITCHES

3 poles

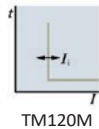
3 POLE STARTER PROTECTION (STANDARD)

- TM120M magnetically shielded only

To IE3
Are you ready?



3-pole 380/415VAC/50Hz



Tip	Rated Current In(A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field li(A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA11	32	--	220 ... 510	TM120M	3VA1132-5MH36-0AA0	55		1
	40	--	280 ... 640	TM120M	3VA1140-5MH36-0AA0	55		1
	50	--	350 ... 800	TM120M	3VA1150-5MH36-0AA0	55		1
	63	--	440 ... 1010	TM120M	3VA1163-5MH36-0AA0	55		1
	80	--	560 ... 1280	TM120M	3VA1180-5MH36-0AA0	55		1
	100	--	700 ... 1600	TM120M	3VA1110-5MH36-0AA0	55		1
	125	--	875 ... 2000	TM120M	3VA1112-5MH36-0AA0	55		1
3VA12	160	--	1120 ... 2560	TM120M	3VA1216-5MH32-0AA0	55		1
	200	--	1400 ... 2800	TM120M	3VA1220-5MH32-0AA0	55		1
3VA13	250	--	2000 ... 4000	TM120M	3VA1325-5MH32-0AA0	55		1
	320	--	2240 ... 4480	TM120M	3VA1332-5MH32-0AA0	55		1
3VA14	400	--	3200 ... 6400	TM120M	3VA1440-5MH32-0AA0	55		1
	500	--	4000 ... 8000	TM120M	3VA1450-5MH32-0AA0	55		1
3VA15	630	--	5040 ... 9450	TM120M	3VA1563-5MH32-0AA0	55		1
	800	--	4800 ... 9600	TM120M	3VA1580-5MH32-0AA0	55		1

3VA11	32	--	220 ... 510	TM120M	3VA1132-6MH36-0AA0	70		1
	40	--	280 ... 640	TM120M	3VA1140-6MH36-0AA0	70		1
	50	--	350 ... 800	TM120M	3VA1150-6MH36-0AA0	70		1
	63	--	440 ... 1010	TM120M	3VA1163-6MH36-0AA0	70		1
	80	--	560 ... 1280	TM120M	3VA1180-6MH36-0AA0	70		1
	100	--	700 ... 1600	TM120M	3VA1110-6MH36-0AA0	70		1
	125	--	875 ... 2000	TM120M	3VA1112-6MH36-0AA0	70		1
3VA12	160	--	1120 ... 2560	TM120M	3VA1216-6MH32-0AA0	70		1
	200	--	1400 ... 2800	TM120M	3VA1220-6MH32-0AA0	70		1
3VA13	250	--	2000 ... 4000	TM120M	3VA1325-6MH32-0AA0	70		1
	320	--	2240 ... 4480	TM120M	3VA1332-6MH32-0AA0	70		1
3VA14	400	--	3200 ... 6400	TM120M	3VA1440-6MH32-0AA0	70		1
	500	--	4000 ... 8000	TM120M	3VA1450-6MH32-0AA0	70		1
3VA15	630	--	5040 ... 9450	TM120M	3VA1563-6MH32-0AA0	70		1
	800	--	4800 ... 9600	TM120M	3VA1580-6MH32-0AA0	70		1



3 Pole Motor Protection Switch (IEC60947-2 standard)

- * 3VA2 type with LSI function ($I_L=15xI_n$), ETU350M electronic protection unit, busbar connection adapter

380/415VAC/50Hz

3 poles

3VA21	25	10 ... 25	75 ... 375	ETU350M	3VA2125-5MN32-0AA0	55		1
	40	16 ... 40	120 ... 600	ETU350M	3VA2140-5MN32-0AA0	55		1
	63	25 ... 63	189 ... 945	ETU350M	3VA2163-5MN32-0AA0	55		1
	100	40 ... 100	360 ... 1500	ETU350M	3VA2110-5MN32-0AA0	55		1
3VA22	160	63 ... 160	480 ... 2400	ETU350M	3VA2216-5MN32-0AA0	55		1
	200	80 ... 200	600 ... 3000	ETU350M	3VA2220-5MN32-0AA0	55		1
3VA23	250	100 ... 250	750 ... 3750	ETU350M	3VA2325-5MN32-0AA0	55		1
3VA24	400	160 ... 400	1200 ... 6000	ETU350M	3VA2440-5MN32-0AA0	55		1
	500	200 ... 500	1500 ... 7500	ETU350M	3VA2450-5MN32-0AA0	55		1
3VA25	630	250 ... 630	1890 ... 9450	ETU350M	3VA2563-5MN32-0AA0	55		1
	800	320 ... 800	2400...12000	ETU350M	3VA2580-5MN32-0AA0	55		1

SENTRON protection devices

3VA compact type power switches

3VA1 and 3VA2 TYPE COMPACT POWER SWITCHES

4 poles

SWITCHES LINE PROTECTION

4 Pole Compact Switches (IEC60947-2 standard)

- 3VA1 thermally regulated, magnetic fixed, with TM220 thermal magnetic protection unit, with block terminal connection or busbar connection adapter
- 3VA1 thermally regulated, magnetic fixed, with TM240 thermal magnetic protection unit, with block terminal connection or busbar connection adapter

380/415VAC/50Hz , I_{cs}=I_{cu}



3VA11



TM220

Tip	Rated Current I _n (A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field I _i (A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA11	16	11 ... 16	320	TM220	3VA1196-4EE46-0AA0	36		1
	20	14 ... 20	320	TM220	3VA1120-4EE46-0AA0	36		1
	25	18 ... 25	320	TM220	3VA1125-4EE46-0AA0	36		1
	32	22 ... 32	320	TM220	3VA1132-4EE46-0AA0	36		1
	40	28 ... 40	400	TM220	3VA1140-4EE46-0AA0	36		1
	50	35 ... 50	500	TM220	3VA1150-4EE46-0AA0	36		1
	63	44 ... 63	630	TM220	3VA1163-4EE46-0AA0	36		1
	80	56 ... 80	800	TM220	3VA1180-4EE46-0AA0	36		1
	100	70 ... 100	1000	TM220	3VA1110-4EE46-0AA0	36		1
	125	88 ... 125	1250	TM220	3VA1112-4EE46-0AA0	36		1
	160	112 ... 160	1600	TM220	3VA1116-4EE46-0AA0	36		1



3VA13



TM240

3VA11	16	11 ... 16	160 ... 320	TM240	3VA1196-4EF46-0AA0	36		1
	20	14 ... 20	160 ... 320	TM240	3VA1120-4EF46-0AA0	36		1
	25	18 ... 25	160 ... 320	TM240	3VA1125-4EF46-0AA0	36		1
	32	22 ... 32	160 ... 320	TM240	3VA1132-4EF46-0AA0	36		1
	40	28 ... 40	200 ... 400	TM240	3VA1140-4EF46-0AA0	36		1
	50	35 ... 50	250 ... 500	TM240	3VA1150-4EF46-0AA0	36		1
	63	44 ... 63	315 ... 630	TM240	3VA1163-4EF46-0AA0	36		1
	80	56 ... 80	400 ... 800	TM240	3VA1180-4EF46-0AA0	36		1
	100	70 ... 100	500 ... 1000	TM240	3VA1110-4EF46-0AA0	36		1
	125	88 ... 125	625 ... 1250	TM240	3VA1112-4EF46-0AA0	36		1
	160	112 ... 160	800 ... 1600	TM240	3VA1116-4EF46-0AA0	36		1
3VA12	200	140 ... 200	1000 ... 2000	TM240	3VA1220-4EF42-0AA0	36		1
	250	175 ... 250	1250 ... 2500	TM240	3VA1225-4EF42-0AA0	36		1
3VA13	320	220 ... 320	1600 ... 3200	TM240	3VA1332-4EF42-0AA0	36		1
	400	280 ... 400	2000 ... 4000	TM240	3VA1340-4EF42-0AA0	36		1
3VA14	500	350 ... 500	2500 ... 5000	TM240	3VA1450-4EF42-0AA0	36		1
	630	440 ... 630	2520 ... 5040	TM240	3VA1463-4EF42-0AA0	36		1

SENTRON protection devices

3VA type compact power switches

3VA1 and 3VA2 TYPE COMPACT POWER SWITCHES


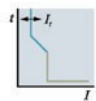
4 poles


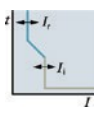
SWITCHES LINE PROTECTION

4-Pole Compact Switches (IEC60947-2 standard)

- 3VA1 thermally regulated, magnetic fixed, with TM220 thermal magnetic protection unit, with block terminal connection or busbar connection adapter
- 3VA1 thermally regulated, magnetic fixed, with TM240 thermal magnetic protection unit, with block terminal connection or busbar connection adapter

380/415VAC/50Hz, $I_{cs}=I_{cu}$

Tip	Rated Current I_n (A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field II(A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
 <p>3VA11</p>  <p>TM220</p>	16	11 ... 16	320	TM220	3VA1196-5EE46-0AA0	55		1
	20	14 ... 20	320	TM220	3VA1120-5EE46-0AA0	55		1
	25	18 ... 25	320	TM220	3VA1125-5EE46-0AA0	55		1
	32	22 ... 32	320	TM220	3VA1132-5EE46-0AA0	55		1
	40	28 ... 40	400	TM220	3VA1140-5EE46-0AA0	55		1
	50	35 ... 50	500	TM220	3VA1150-5EE46-0AA0	55		1
	63	44 ... 63	630	TM220	3VA1163-5EE46-0AA0	55		1
	80	56 ... 80	800	TM220	3VA1180-5EE46-0AA0	55		1
	100	70 ... 100	1000	TM220	3VA1110-5EE46-0AA0	55		1
	125	88 ... 125	1250	TM220	3VA1112-5EE46-0AA0	55		1
	160	112 ... 160	1600	TM220	3VA1116-5EE46-0AA0	55		1

 <p>3VA13</p>  <p>TM240</p>	3VA11	16	11 ... 16	160 ... 320	TM240	3VA1196-5EF46-0AA0	55		1
	20	14 ... 20	160 ... 320	TM240	3VA1120-5EF46-0AA0	55		1	
	25	18 ... 25	160 ... 320	TM240	3VA1125-5EF46-0AA0	55		1	
	32	22 ... 32	160 ... 320	TM240	3VA1132-5EF46-0AA0	55		1	
	40	28 ... 40	200 ... 400	TM240	3VA1140-5EF46-0AA0	55		1	
	50	35 ... 50	250 ... 500	TM240	3VA1150-5EF46-0AA0	55		1	
	63	44 ... 63	315 ... 630	TM240	3VA1163-5EF46-0AA0	55		1	
	80	56 ... 80	400 ... 800	TM240	3VA1180-5EF46-0AA0	55		1	
	100	70 ... 100	500 ... 1000	TM240	3VA1110-5EF46-0AA0	55		1	
	125	88 ... 125	625 ... 1250	TM240	3VA1112-5EF46-0AA0	55		1	
	160	112 ... 160	800 ... 1600	TM240	3VA1116-5EF46-0AA0	55		1	
	3VA12	200	140 ... 200	1000...2000	TM240	3VA1220-5EF42-0AA0	55		1
	250	175 ... 250	1250...2500	TM240	3VA1225-5EF42-0AA0	55		1	
3VA13	320	220 ... 320	1600...3200	TM240	3VA1332-5EF42-0AA0	55		1	
400	280 ... 400	2000...4000	TM240	3VA1340-5EF42-0AA0	55		1		
3VA14	500	350 ... 500	2500...5000	TM240	3VA1450-5EF42-0AA0	55		1	
630	440 ... 630	2520...5040	TM240	3VA1463-5EF42-0AA0	55		1		
3VA15	800	560 ... 800	4000...8000	TM240	3VA1580-5EF42-0AA0	55		1	
1000	700 ... 1000	5000...10000	TM240	3VA1510-5EF42-0AA0	55		1		

SENTRON protection devices

3VA type compact power switches

3VA1 and 3VA2 TYPE COMPACT POWER SWITCHES

4 poles

SWITCHES LINE PROTECTION

4-Pole Compact Switches (IEC60947-2 standard)

- 3VA1 thermally regulated, magnetic fixed, with TM240 thermal magnetic protection unit, with block terminal connection or busbar connection adapter

380/415VAC/50Hz , Ics=Icu

Tip	Rated Current In(A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field Ii(A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA11	16	11 ... 16	160 ... 320	TM240	3VA1196-6EF46-0AA0	70		1
	20	14 ... 20	160 ... 320	TM240	3VA1120-6EF46-0AA0	70		1
	25	18 ... 25	160 ... 320	TM240	3VA1125-6EF46-0AA0	70		1
	32	22 ... 32	160 ... 320	TM240	3VA1132-6EF46-0AA0	70		1
	40	28 ... 40	200 ... 400	TM240	3VA1140-6EF46-0AA0	70		1
	50	35 ... 50	250 ... 500	TM240	3VA1150-6EF46-0AA0	70		1
	63	44 ... 63	315 ... 630	TM240	3VA1163-6EF46-0AA0	70		1
	80	56 ... 80	400 ... 800	TM240	3VA1180-6EF46-0AA0	70		1
	100	70 ... 100	500 ...1000	TM240	3VA1110-6EF46-0AA0	70		1
	125	88 ... 125	625 ...1250	TM240	3VA1112-6EF46-0AA0	70		1
3VA12	160	112 ... 160	800 ...1600	TM240	3VA1116-6EF46-0AA0	70		1
	200	140 ... 200	1000 ... 2000	TM240	3VA1220-6EF42-0AA0	70		1
3VA13	250	175 ... 250	1250 ... 2500	TM240	3VA1225-6EF42-0AA0	70		1
	320	220 ... 320	1600...3200	TM240	3VA1332-6EF42-0AA0	70		1
3VA14	400	280 ... 400	2000...4000	TM240	3VA1340-6EF42-0AA0	70		1
	500	350 ... 500	2500 ... 5000	TM240	3VA1450-6EF42-0AA0	70		1
3VA15	630	440 ... 630	2520 ... 5040	TM240	3VA1463-6EF42-0AA0	70		1
	800	560 ... 800	4000 ... 8000	TM240	3VA1580-6EF42-0AA0	70		1
3VA15	1000	700 ... 1000	5000...10000	TM240	3VA1510-6EF42-0AA0	70		1



3VA15

UNPROTECTED LOAD BREAKERS

4 Pole Load Disconnectors without protection unit (IEC60947-3 standard)

4-pole 380/415VAC/50Hz

3VA11	63	--	--	--	3VA1163-1AA46-0AA0	--		1
	100	--	--	--	3VA1110-1AA46-0AA0	--		1
	125	--	--	--	3VA1112-1AA46-0AA0	--		1
	160	--	--	--	3VA1116-1AA46-0AA0	--		1
3VA12	250	--	--	--	3VA1225-1AA42-0AA0	--		1
3VA13	400	--	--	--	3VA1340-1AA42-0AA0	--		1
3VA14	500	--	--	--	3VA1450-1AA42-0AA0	--		1



3VA14

SENTRON protection devices

3VA type compact power switches

3VA1 and 3VA2 TYPE COMPACT POWER SWITCHES

4 poles

SWITCHES LINE PROTECTION

4-Pole Compact Switches (IEC60947-2 standard)

- 3VA2 type thermally and magnetically regulated LI protected ETU320 electronic protection unit with busbar connection adapter

380 415VAC 50Hz, Ics=Icu



Tip	Rated Current In(A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field II(A)	Protection Unit Type.	Order No	Breaking Capacity (kA)		Min. Order quantity
3VA23	400	160 ... 400	600 ... 4000	ETU320	3VA2340-4HL42-0AA0	36		1
3VA24	630	250 ... 630	945 ... 6300	ETU320	3VA2463-4HL42-0AA0	36		1
3VA21	63	25 ... 63	95 ... 756	ETU320	3VA2163-5HL42-0AA0	55		1
	100	40 ... 100	150 ... 1200	ETU320	3VA2110-5HL42-0AA0	55		1
	160	63 ... 160	240 ... 1600	ETU320	3VA2116-5HL42-0AA0	55		1
3VA22	250	100 ... 250	375 ... 2500	ETU320	3VA2225-5HL42-0AA0	55		1
3VA23	400	160 ... 400	600 ... 4000	ETU320	3VA2340-5HL42-0AA0	55		1
3VA24	630	250 ... 630	945 ... 6300	ETU320	3VA2463-5HL42-0AA0	55		1
3VA25	800	320 ... 800	1200...8000	ETU320	3VA2580-5HL42-0AA0	55		1
	1000	400 ... 1000	1500...10000	ETU320	3VA2510-5HL42-0AA0	55		1
3VA26	1250	500 ... 1250	1875...12500	ETU320	3VA2612-5HL42-0AA0	55		1
3VA27(*)	1250	500 ... 1250	1875...18750	ETU320	3VA2712-5AB13-0AA0	55		1
	1600	640 ... 1600	2400...24000	ETU320	3VA2716-5AB13-0AA0	55		1



3VA21	63	25 ... 63	95 ... 756	ETU320	3VA2163-6HL42-0AA0	85		1
	100	40 ... 100	150 ... 1200	ETU320	3VA2110-6HL42-0AA0	85		1
	160	63 ... 160	240 ... 1600	ETU320	3VA2116-6HL42-0AA0	85		1
3VA22	250	100 ... 250	375 ... 2500	ETU320	3VA2225-6HL42-0AA0	85		1
3VA23	400	160 ... 400	600 ... 4000	ETU320	3VA2340-6HL42-0AA0	85		1
3VA24	630	250 ... 630	945 ... 6300	ETU320	3VA2463-6HL42-0AA0	85		1
3VA25	800	320 ... 800	1200 ... 8000	ETU320	3VA2580-6HL42-0AA0	85		1
	1000	400 ... 1000	1500...10000	ETU320	3VA2510-6HL42-0AA0	85		1
3VA26	1250	500 ... 1250	1875...12500	ETU320	3VA2612-6HL42-0AA0	85		1
3VA27(*)	1250	500 ... 1250	1875...18750	ETU320	3VA2712-6AB13-0AA0	85		1
	1600	640 ... 1600	2400... 24000	ETU320	3VA2716-6AB13-0AA0	85		1

(*): 3VA27 Latch type. Motor cannot be installed. Types that can be fitted with motor are specified below.

3VA27 - 4 Pole, motor mountable, with ETU350 LSI electronic protection unit



3VA27	800	320 ...800	1200...12000	ETU350	3VA2780-1AC13-0AA0	55		1
	1000	400 ... 1000	1500...15000	ETU350	3VA2710-1AC13-0AA0	55		1
	1250	500 ... 1250	1875...18750	ETU350	3VA2712-1AC13-0AA0	55		1
	1600	640 ... 1600	2400...24000	ETU350	3VA2716-1AC13-0AA0	55		1
3VA27	800	320 ...800	1200...12000	ETU350	3VA2780-2AC13-0AA0	85		1
	1000	400 ... 1000	1500...15000	ETU350	3VA2710-2AC13-0AA0	85		1
	1250	500 ... 1250	1875...18750	ETU350	3VA2712-2AC13-0AA0	85		1
	1600	640 ... 1600	2400...24000	ETU350	3VA2716-2AC13-0AA0	85		1

* See pages 74-75 for 3VA27 type circuit breaker accessories.

SENTRON protection devices

3VA compact type communicating power switches

3VA21, 3VA22, 3VA23 and 3VA24 TYPE COMPACT POWER SWITCHES

3 and 4 poles

POWER SWITCHES WITH LINE PROTECTION AND COMMUNICATION

3/4 Pole Compact Switches (IEC60947-2 standard)

- * 3VA2 type LSI protected busbar connection adapter with ETU850 electronic protection unit.
- * Instant current and voltage readings, Power and energy quality measurement thanks to built-in Current and Voltage transformers.
- * Current and voltage values via integrated LED display, power and energy quality measurement, precise functional settings.
- * Communication with Ethernet/PROFIBUS DDP/PROFINET and RS485 Modbus RTU with related accessories.

380/415VAC/50Hz, I_{cs}=I_{cu}

Tip	Rated Current I _n (A)	Thermal Adjustment Field IR(A)	Magnetic Adjustment Field I _i (A)	Protection Unit Type	Order No	Breaking Capacity (kA)		Min. Order quantity
-----	----------------------------------	--------------------------------	--	----------------------	----------	------------------------	--	---------------------

3 polarized



3VA21



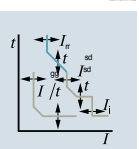
3VA21	25	10 ... 25	15 ... 250	ETU850	3VA2125-5KP36-0AA0	55		1
	40	16 ... 40	24 ... 400	ETU850	3VA2140-5KP36-0AA0	55		1
	63	25 ... 63	38 ... 630	ETU850	3VA2163-5KP36-0AA0	55		1
	100	40 ... 100	60 ... 1000	ETU850	3VA2110-5KP36-0AA0	55		1
	160	64 ... 160	96 ... 1600	ETU850	3VA2116-5KP36-0AA0	55		1
3VA22	250	100 ... 250	150 ... 2500	ETU850	3VA2225-5KP32-0AA0	55		1
3VA23	400	160 ... 400	240 ... 4000	ETU850	3VA2340-5KP32-0AA0	55		1
3VA24	500	200 ... 500	300 ... 5000	ETU850	3VA2450-5KP32-0AA0	55		1
	630	250 ... 630	378 ... 5670	ETU850	3VA2463-5KP32-0AA0	55		1

3VA21	25	10 ... 25	15 ... 250	ETU850	3VA2125-6KP36-0AA0	85		1
	40	16 ... 40	24 ... 400	ETU850	3VA2140-6KP36-0AA0	85		1
	63	25 ... 63	38 ... 630	ETU850	3VA2163-6KP36-0AA0	85		1
	100	40 ... 100	60 ... 1000	ETU850	3VA2110-6KP36-0AA0	85		1
	160	63 ... 160	96 ... 1600	ETU850	3VA2116-6KP36-0AA0	85		1
3VA22	250	100 ... 250	150 ... 2500	ETU850	3VA2225-6KP32-0AA0	85		1
3VA23	400	160 ... 400	240 ... 4000	ETU850	3VA2340-6KP32-0AA0	85		1
3VA24	500	200 ... 500	300 ... 5000	ETU850	3VA2450-6KP32-0AA0	85		1
	630	250 ... 630	378 ... 5670	ETU850	3VA2463-6KP32-0AA0	85		1

4 polarized



3VA24



3VA21	25	10 ... 25	15 ... 250	ETU850	3VA2125-5KP46-0AA0	55		1
	40	16 ... 40	24 ... 400	ETU850	3VA2140-5KP46-0AA0	55		1
	63	25 ... 63	38 ... 630	ETU850	3VA2163-5KP46-0AA0	55		1
	100	40 ... 100	60 ... 1000	ETU850	3VA2110-5KP46-0AA0	55		1
	160	63 ... 160	96 ... 1600	ETU850	3VA2116-5KP46-0AA0	55		1
3VA22	250	100 ... 250	150 ... 2500	ETU850	3VA2225-5KP42-0AA0	55		1
3VA23	400	160 ... 400	240 ... 4000	ETU850	3VA2340-5KP42-0AA0	55		1
3VA24	500	200 ... 500	300 ... 5000	ETU850	3VA2450-5KP42-0AA0	55		1
	630	250 ... 630	378 ... 5670	ETU850	3VA2463-5KP42-0AA0	55		1

3VA21	25	10 ... 25	15 ... 250	ETU850	3VA2125-6KP46-0AA0	85		1
	40	16 ... 40	24 ... 400	ETU850	3VA2140-6KP46-0AA0	85		1
	63	25 ... 63	38 ... 630	ETU850	3VA2163-6KP46-0AA0	85		1
	100	40 ... 100	60 ... 1000	ETU850	3VA2110-6KP46-0AA0	85		1
	160	63 ... 160	96 ... 1600	ETU850	3VA2116-6KP46-0AA0	85		1
3VA22	250	100 ... 250	150 ... 2500	ETU850	3VA2225-6KP42-0AA0	85		1
3VA23	400	160 ... 400	240 ... 4000	ETU850	3VA2340-6KP42-0AA0	85		1
3VA24	500	200 ... 500	300 ... 5000	ETU850	3VA2450-6KP42-0AA0	85		1
	630	250 ... 630	378 ... 5670	ETU850	3VA2463-6KP42-0AA0	85		1

SENTRON protection devices

Accessories for 3VA compact type power switches

3VA COMPACT SWITCH ACCESSORIES 3 and 4 poles

Version	Power Switch Type					Order No.		Min. Order quantity
	3VA11	3VA12 3VA13 3VA14	3VA15	3VA21 3VA22 3VA23 3VA24	3VA25 3VA26			



AUX - Auxiliary contact (1 inverter contact)

240VAC(50Hz)/250VDC	✓	✓	✓	✓	✓	3VA9988-0AA12		1
---------------------	---	---	---	---	---	---------------	--	---



LCS - Early acting reversing contact

240VAC(50Hz)/250VDC	✓	✓	✓	✓	✓	3VA9988-0AA22		1
---------------------	---	---	---	---	---	---------------	--	---



TAS - Trip or Alarm contact (1 inverter contact)

240VAC(50Hz)/250VDC	✓	✓	✓	✓	✓	3VA9988-0AB12		1
---------------------	---	---	---	---	---	---------------	--	---



SAS - Short circuit alarm contact (1 inverter contact)

240VAC(50Hz)/250VDC	✓	--	--	--	--	3VA9988-0AB32		1
	--	✓	--	--	--	3VA9988-0AB34		1

EAS - Electrical alarm contact (1 inverter contact)

240VAC(50Hz)/250VDC	--	--	--	✓	✓	3VA9988-0AB22		1
---------------------	----	----	----	---	---	---------------	--	---



UVR- Low voltage coil

110VAC (50/60Hz)	✓	✓	✓	✓	✓	3VA9908-0BB23		1
208...230VAC(50/60Hz)	✓	✓	✓	✓	✓	3VA9908-0BB25		1

* Please contact our sales offices for our delayed low voltage coils.



STL - Opening coil left block

110...127 VAC(50/60Hz)/110...127VDC	✓	✓	✓	✓	✓	3VA9988-0BL32		1
208...277VAC(50/60Hz)/220...250VDC	✓	✓	✓	✓	✓	3VA9988-0BL33		1
380 ... 600VAC(50/60Hz)	✓	✓	✓	✓	✓	3VA9988-0BL20		1



STF - Opening coil flexible type (right/left block)

110 ... 127VAC(50/60Hz)	--	--	--	✓	--	3VA9988-0BA22*		1
208 ... 277VAC(50/60Hz)	--	--	--	✓	--	3VA9988-0BA23*		1
380 ... 500VAC(50/60Hz)	--	--	--	✓	--	3VA9988-0BA24*		1

* 3VA1 is only installed on the left block of the chassis.



SENTRON protection devices

Accessories for 3VA compact type power switches

3VA COMPACT SWITCH ACCESSORIES 3 and 4 poles

Version	Power Switch Type				Order No.	Min. Order quantity
	3VA11	3VA12	3VA20 3VA21 3VA22	3VA13 3VA14 3VA23 3VA24		



3VA9117-0HB20

Motor mechanism MO310 (Side mounting, space in the cabinet)

DC 24 ... 60 V AC 42 ... 60 V	✓	--	--	--	3VA9117-0HB10	1
AC 110 ... 230 V AC 110 ... 250 V	✓	--	--	--	3VA9117-0HB20	1



3VA9267-0HA10

Motor mechanism MO320

24 ... 60 V DC	✓	--	--	--	3VA9157-0HA10	1
	--	✓	--	--	3VA9257-0HA10	1
	--	--	✓	--	3VA9267-0HA10	1
	--	--	--	✓	3VA9467-0HA10	1
110 ... 230 V AC 110 ... 250 V DC	✓	--	--	--	3VA9157-0HA20	1
	--	✓	--	--	3VA9257-0HA20	1
	--	--	✓	--	3VA9267-0HA20	1
	--	--	--	✓	3VA9467-0HA20	1



3VA9267-0HC30

Energy storing motor mechanism SEO520

(Suitable for synchronization applications)

Version	Power Switch Type				Order No.	Min. Order quantity
	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24		
Non-Communication Type						
24 V DC	--	--	✓	--	3VA9267-0HC10	1
110 ... 230 V AC / 110 ... 250 V DC	--	--	✓	--	3VA9267-0HC30	1
Communication Type						
24 V DC	--	--	✓	--	3VA9267-0HC15	1
110 ... 230 V AC / 110 ... 250 V DC	--	--	✓	--	3VA9267-0HC35	1

Version	Power Switch Type					Order No.	Min. Order quantity
	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25 3VA26		

Front joystick kit - Swivel action, Protection class IP30



3VA9267-0EK11

Tip	Color	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25 3VA26	Order No.	Min. Order quantity
Standard	Gray	✓	--	--	--	--	3VA9157-0EK11	1
		--	✓	--	--	--	3VA9257-0EK11	1
		--	--	✓	--	--	3VA9267-0EK11	1
		--	--	--	✓	--	3VA9467-0EK11	1
		--	--	--	--	✓	3VA9687-0EK11	1
Emergency stop	Yellow - Red	✓	--	--	--	--	3VA9157-0EK15	1
		--	✓	--	--	(-) (-)	3VA9257-0EK15	1
		--	--	✓	--	--	3VA9267-0EK15	1
		--	--	(-) (-)	✓	--	3VA9467-0EK15	1
		--	--	--	--	✓	3VA9687-0EK15	1



3VA9267-0FK21

Extension joystick kit - Swivel action, Protection class IP30

Tip	Color	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25 3VA26	Order No.	Min. Order quantity
Standard	Gray	✓	--	--	--	--	3VA9157-0FK21	1
		--	✓	--	--	--	3VA9257-0FK21	1
		--	--	✓	--	--	3VA9267-0FK21	1
		--	--	--	✓	--	3VA9467-0FK21	1
		--	--	--	--	✓	3VA9687-0FK21	1
Emergency stop	Yellow - Red	✓	--	--	--	--	3VA9157-0FK25	1
		--	✓	--	--	--	3VA9257-0FK25	1
		--	--	✓	--	--	3VA9267-0FK25	1
		--	--	--	✓	--	3VA9467-0FK25	1
		--	--	--	--	✓	3VA9687-0FK25	1



3VA9467-0FK25

Please contact our sales department for side drive mechanism.

SENTRON protection devices

Accessories for 3VA compact type power switches

3VA COMPACT SWITCH ACCESSORIES

3 and 4 poles

SENTRON 3VA LEAKAGE CURRENT PROTECTION DEVICES

Residual Current Protection Module	Rated Current (A)	Number of Poles	Leakage Current Adjustable (A)	Delay Duration Δt	Order No	Min. Order quantity
------------------------------------	-------------------	-----------------	--------------------------------	---------------------------	----------	---------------------

Type A (Impulse Current Sensitivity)
Nominal operating voltage: 127...690V AC, 50/60Hz

3VA1 Left Side Mounted, can be mounted on Disconnector and Compact Type Breaker with Block Terminal Block.

RCD510	160A	3	0.03-5.00	0.0. 3.00 s	3VA9113-ORS20	1
RCD510	250A	3	0.03-5.00	0.0. 3.00 s	3VA9213-ORS20	1
RCD310	160A	4	0.03-5.00	0 s	3VA9114-ORS10	1
RCD510	160A	4	0.03-5.00	0.0. 3.00 s	3VA9114-ORS20	1
RCD510	250A	4	0.03-5.00	0.0. 3.00 s	3VA9214-ORS20	1

3VA9114-ORS10



3VA9113-ORL20

3VA1 Bottom Mounted (under protection unit)

RCD520	160A	3	0.03-5.00	0.0. 3.00 s	3VA9113-ORL20	1
RCD520	250A	3	0.03-5.00	0.0. 3.00 s	3VA9213-ORL20	1
RCD320	160A	4	0.03-5.00	0 s	3VA9114-ORL10	1
RCD520	160A	4	0.03-5.00	0.0. 3.00 s	3VA9114-ORL20	1
RCD520	250A	4	0.03-5.00	0.0. 3.00 s	3VA9214-ORL20	1

3VA9123-ORL30



Type B, B+ (under protection unit)

RCD520B	160A	3	TypeB : 0.03-5.00 TypeB+ : 0.03-0.3	0.0...10 s	3VA9113-ORL21	1
RCD520B+	160A	4	TypeB : 0.03-5.00 TypeB+ : 0.03-0.3	0.0...10 s	3VA9114-ORL21	1

3VA9113-ORL21



3VA2 Bottom Mounted (under protection unit)

The auxiliary contact (AUX) for bottom power input must be ordered separately.

RCD820	100A,160A	3	0.03-30	0.0...10 s	3VA9123-ORL30	1
RCD820	250A	3	0.03-30	0.0...10 s	3VA9223-ORL30	1
RCD820	400A	3	0.03-30	0.0...10 s	3VA9323-ORL30	1
RCD820	630A	3	0.03-30	0.0...10 s	3VA9423-ORL30	1
RCD820	100A,160A	4	0.03-30	0.0...10 s	3VA9124-ORL30	1
RCD820	250A	4	0.03-30	0.0...10 s	3VA9224-ORL30	1
RCD820	400A	4	0.03-30	0.0...10 s	3VA9324-ORL30	1
RCD820	630A	4	0.03-30	0.0...10 s	3VA9424-ORL30	1

3VA9123-ORL30



Note: For use with switches type 3VA ...32-0AA0 and 3VA ...42-0AA0 additional block terminal blocks must be ordered.

3VA COMPACT SWITCH ACCESSORIES

3 and 4 poles

Version	Power Switch Type					Order No.	Min. Order quantity
	3VA11	3VA12	3VA21 3VA22	3VA15 3VA14 3VA23 3VA24	3VA15 3VA25 3VA26		

Crown Locking Kit

✓	✓	--	--	--	3VA9088-0LB10	1
--	--	✓	✓	--	3VA9388-0LB10	1
--	--	--	--	✓	3VA9588-0LB10	1

3VA9088-0LB10



Front Mechanical Locking Kit

Complete kit for mutual interlocking of 2 switches (**cannot be used** with motorized drive)

✓	--	--	--	--	3VA9158-0VF30	1
--	✓	--	--	--	3VA9258-0VF30	1
--	--	✓	--	--	3VA9168-0VF30	1
--	--	--	✓	--	3VA9368-0VF30	1

3VA9168-0VF30



SENTRON protection devices

Accessories for 3VA compact type power switches

3VA COMPACT SWITCH ACCESSORIES						3 and 4 poles		
Version	Power Switch Type					Order No.		Min. Order quantity
	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25 3VA26			



3VA9088-0MV10



3VA9167-0VF10

Rear Mechanical Locking Kit (with Movable Shaft)

Complete Kit (Available with motorized drive)

Mechanical locking kit for fixed type	✓	✓	✓	✓	--	3VA9088-0VM10		1
Mechanical locking kit for fixed type (Profile rails included.)	--	--	--	--	✓	3VA9588-0VM10		1
Profile rails for fixed type*	✓	✓	✓	✓	--	3VA9088-0VK10		1
Mounting Plate (for fixed type switches)*	✓	--	--	--	--	3VA9158-0VK20		1
	--	✓	--	--	--	3VA9258-0VK20		1
	--	--	✓	--	--	3VA9268-0VK20		1
	--	--	--	✓	--	3VA9468-0VK20		1
Complete kit for socket/drawer type	✓	✓	✓	✓	--	3VA9088-0VM30		1

*For fixed type switches, profile rails and mounting plate must be added.

Module for mechanical locking with Bowden cable

One is required for each switch. Bowden cable must be ordered separately.

3VA9980-0VC20

	✓	--	--	--	--	3VA9157-0VF10		1
	--	✓	--	--	--	3VA9257-0VF10		1
	--	--	✓	--	--	3VA9167-0VF10		1
	--	--	--	✓	--	3VA9367-0VF10		1
	--	--	--	(-) (-)	✓	3VA9587-0VF10		1

Bowden cable (One required for both switches.)

0.6m length	✓	✓	✓	✓	✓	3VA9980-0VC10		1
1.0m length	✓	✓	✓	✓	✓	3VA9980-0VC20		1
1.5m length	✓	✓	✓	✓	✓	3VA9980-0VC30		1

Door Carving Frames

Door Carving Frame for Fixed Type Switch



3VA9163-0SB10

3 Pole	ETU excluded	✓	--	--	--	--	3VA9053-0SB10		1
	ETU excluded	--	✓	--	--	--	3VA9253-0SB10		1
	ETU excluded	--	--	✓	--	--	3VA9163-0SB10		1
	ETU excluded	--	--	--	✓	--	3VA9383-0SB10		1
	ETU excluded	--	--	--	--	✓	3VA9503-0SB10		1
	ETU included	✓	--	--	--	--	3VA9053-0SB20		1
	ETU included	--	✓	--	--	--	3VA9253-0SB20		1
	ETU included	--	--	✓	--	--	3VA9163-0SB20		1
	ETU included	--	--	--	✓	--	3VA9363-0SB20		1
	ETU included	--	--	--	--	✓	3VA9503-0SB20		1
4 Pole	ETU excluded	✓	--	--	--	--	3VA9054-0SB10		1
	ETU excluded	--	✓	--	--	--	3VA9254-0SB10		1
	ETU excluded	--	--	✓	--	--	3VA9164-0SB10		1
	ETU excluded	--	--	--	✓	--	3VA9384-0SB10		1
	ETU excluded	--	--	--	--	✓	3VA9504-0SB10		1
	ETU included	✓	--	--	--	--	3VA9054-0SB20		1
	ETU included	--	✓	--	--	--	3VA9254-0SB20		1
	ETU included	--	--	✓	--	--	3VA9164-0SB20		1
	ETU included	--	--	--	✓	--	3VA9364-0SB20		1
	ETU included	--	--	--	--	✓	3VA9504-0SB20		1

Door Carving Frame for Motorized Switch

	✓	--	--	--	--	3VA9053-0SB20		1
	--	✓	✓	--	--	3VA9257-0SB30		1
	--	--	--	✓	--	3VA9387-0SB30		1

Door Carving Frame for Rotary Joystick Switch

	✓	--	--	--	--	3VA9053-0SB10		1
	--	✓	--	--	--	3VA9253-0SB10		1
	--	--	✓	--	--	3VA9163-0SB10		1
	--	--	--	✓	--	3VA9383-0SB10		1
	--	--	--	--	✓	3VA9503-0SB50		1

SENTRON protection devices

Accessories for 3VA compact type power switches

3VA COMPACT SWITCH ACCESSORIES 3 and 4 poles

Version	Power Switch Type					Order No.	Min. Order quantity
	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25		

Block Terminal Block



3VA9163-0JA12



3VA9164-0JA12

	Min. Cable Diameter	Max. Cable Diameter	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25	Order No.	Min. Order quantity
3 poles ¹⁾	6 mm2	120 mm2	--	✓	--	--	--	3VA9253-0JA11	1
	50 mm2	185 mm2	--	✓	--	--	--	3VA9253-0JA12	1
	6 mm2	120 mm2	--	--	✓	--	--	3VA9163-0JA12	1
	25 mm2	185 mm2	--	--	✓	--	--	3VA9263-0JA12	1
	35 mm2	300 mm2	--	--	--	✓	--	3VA9483-0JA13	1
4-pole ²⁾	6 mm2	120 mm2	--	✓	--	--	--	3VA9254-0JA11	1
	50 mm2	185 mm2	--	✓	--	--	--	3VA9254-0JA12	1
	6 mm2	120 mm2	--	--	✓	--	--	3VA9164-0JA12	1
	25 mm2	185 mm2	--	--	✓	--	--	3VA9264-0JA12	1
	35 mm2	300 mm2	--	--	--	✓	--	3VA9484-0JA13	1

- 1) Connection with Copper Cable, 3 terminals included
2) Connection with Copper Cable, 4 terminals included

Busbar Connection Adapter (for cable lug and busbar connection)



3VA9203-0QA00

	Max. Contact Width	Max. Busbar Thickness	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25	Order No.	Min. Order quantity
	17mm	6.5mm	✓	--	--	--	--	3VA9113-0QA00	1

Busbar Connection Fittings



3VA9604-0QB00

	Max. Contact Width	Max. Busbar Thickness	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25	Order No.	Min. Order quantity
3 bars and 2 phase separator plate	50mm	28mm	3 poles for 3VA15/3VA25					3VA9603-0QB00	1
4 bars and 3 phase separator plate	50mm	28mm	4-pole for 3VA15/3VA25					3VA9604-0QB00	1

Phase Separator Plates



3VA9152-0WA00

	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25	Order No.	Min. Order quantity
2 phase separator plates included	✓	--	--	--	--	3VA9152-0WA00	1
	--	✓	--	--	--	3VA9252-0WA00	1
	--	--	✓	--	--	3VA9262-0WA00	1
	--	--	--	✓	--	3VA9482-0WA00	1
	--	--	--	--	✓	3VA9602-0WA00	1

*3VA26 can also be used for the case.

Terminal Covers for Fixed Type Switches



3VA9221-0WD30



3VA9221-0WF30



3VA9221-0WD40



3VA9221-0WD40

		3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25	Order No.	Min. Order quantity
3-pole Straight	Standard	✓	--	--	--	--	3VA9111-0WD30	1
	Standard	--	✓	--	--	--	3VA9211-0WD30	1
	Standard	--	--	✓	--	--	3VA9221-0WD30	1
	Standard	--	--	--	✓	--	3VA9481-0WD30	1
	Standard	--	--	--	--	✓	3VA9601-0WD30	1
	Long	✓	--	--	--	--	3VA9111-0WF30	1
	Long	--	✓	--	--	--	3VA9211-0WF30	1
	Long	--	--	✓	--	--	3VA9221-0WF30	1
	Long	--	--	--	✓	--	3VA9481-0WF30	1
	Long	--	--	--	--	✓	3VA9601-0WF30	1
4-pole Straight	Standard	✓	--	--	--	--	3VA9111-0WD40	1
	Standard	--	✓	--	--	--	3VA9211-0WD40	1
	Standard	--	--	✓	--	--	3VA9221-0WD40	1
	Standard	--	--	--	✓	--	3VA9481-0WD40	1
	Standard	--	--	--	--	✓	3VA9601-0WD40	1
	Long	✓	--	--	--	--	3VA9111-0WF40	1
	Long	--	✓	--	--	--	3VA9211-0WF40	1
	Long	--	--	✓	--	--	3VA9221-0WF40	1
	Long	--	--	--	✓	--	3VA9481-0WF40	1
	Wide	✓	--	--	--	--	3VA9111-0WG30	1
3-pole Wide	Wide	--	✓	--	--	--	3VA9211-0WG30	1
	Wide	--	--	✓	--	--	3VA9221-0WG30	1
	Wide	--	--	--	✓	--	3VA9401-0WG30	1
	Wide	✓	--	--	--	--	3VA9111-0WG40	1
4-pole Wide	Wide	--	✓	--	--	--	3VA9211-0WG40	1
	Wide	--	--	✓	--	--	3VA9221-0WG40	1
	Wide	--	--	--	✓	--	3VA9401-0WG40	1

SENTRON protection devices

Accessories for 3VA compact type power switches

3VA COMPACT SWITCH ACCESSORIES 3 and 4 poles

Version	Power Switch Type					Order No.		Min. Order quantity
	3VA11	3VA12	3VA21 3VA22	3VA13 3VA14 3VA23 3VA24	3VA15 3VA25 3VA26			

Socket Switch Construction Set

Complete base plate, including power switch socket, blade contacts, mounting screws.



3 poles	✓	--	--	--	--	3VA9113-0KP00	1
	--	✓	--	--	--	3VA9213-0KP00	1
	--	--	✓	--	--	3VA9123-0KP00	1
	--	--	--	✓	--	3VA9323-0KP00	1
4 poles	✓	--	--	--	--	3VA9114-0KP00	1
	--	✓	--	--	--	3VA9214-0KP00	1
	--	--	✓	--	--	3VA9124-0KP00	1
	--	--	--	✓	--	3VA9324-0KP00	1

Knife Contact Set for Converting a Fixed Type Switch into a Socket Switch

Including screw terminal cover, socket contact set, cable cage, trip pin.

3 poles	✓	--	--	--	--	3VA9113-0KP10	1
	--	✓	--	--	--	3VA9213-0KP10	1
	--	--	✓	--	--	3VA9123-0KP10	1
	--	--	--	✓	--	3VA9323-0KP10	1
4 poles	✓	--	--	--	--	3VA9114-0KP10	1
	--	✓	--	--	--	3VA9214-0KP10	1
	--	--	✓	--	--	3VA9124-0KP10	1
	--	--	--	✓	--	3VA9324-0KP10	1

Withdrawable Switch Construction Set (Handle must be ordered separately)

Complete base plate, including pull-out switch mechanism, blade contacts, side walls and mounting screws.



3 poles	--	✓	--	--	--	3VA9213-0KD00	1
	--	--	✓	--	--	3VA9123-0KD00	1
	--	--	--	✓	--	3VA9323-0KD00	1
4 poles	--	✓	--	--	--	3VA9214-0KD00	1
	--	--	✓	--	--	3VA9124-0KD00	1
	--	--	--	✓	--	3VA9324-0KD00	1



Arming Lever for withdrawable switch (Lever holder included)

--	✓	✓	✓	--	3VA9987-0KD81	1
----	---	---	---	----	---------------	---

Knife Contact Set for converting a fixed type switch into a pull-out switch (for spare switch)

Including screw terminal cover,



3 poles	--	✓	--	--	--	3VA9213-0KD10	1
	--	--	✓	--	--	3VA9123-0KD10	1
	--	--	--	✓	--	3VA9323-0KD10	1
4 poles	--	✓	--	--	--	3VA9214-0KD10	1
	--	--	✓	--	--	3VA9124-0KD10	1
	--	--	--	✓	--	3VA9324-0KD10	1

Control circuit connection socket for socket or pull-out switch

For all withdrawable switches	--	✓	✓	✓	--	3VA9987-0KD80	1
For all socket switches	✓	✓	✓	✓	--	3VA9987-0KP80	1

Position indication contact for pull-out switch

--	✓	✓	✓	--	3VA9987-0KB00	1
----	---	---	---	----	---------------	---



SENTRON protection devices

Accessories for 3VA compact type power switches

3VA27 COMPACT SWITCH ACCESSORIES

Product Type	Order No		Min. Order quantity
--------------	----------	--	---------------------



3VW9727-0AB11

Trip or Alarm Contact (TAS) for Latching Type switch

250V AC, 1CO standard	3VW9727-0AB11		1
24V DC, 1CO digital	3VW9727-0AB13		1



3VW9727-0EK11

Rotary Joystick Kit, for Latching type switch

Standard	3VW9727-0EK11		1
Emergency stop, yellow-red	3VW9727-0EK15		1



3VW9727-0FK21

Extension Joystick Kit, for Latching type switch

Standard	3VW9727-0FK21		1
Emergency stop, yellow-red	3VW9727-0FK25		1



3VW9011-0AF04

Motor Mechanism (MO) for motor mountable (spring loaded) switches

220 ... 250 V AC/DC	3VW9011-0AF04		1
100 ... 130 V AC/DC	3VW9011-0AF03		1
48 ... 60 V AC/DC	3VW9011-0AF02		1
24 ... 30 V AC/DC	3VW9011-0AF01		1



3VW9011-0AD07

Close / Open Coil (CC/SR)

220 ... 240 V AC/DC	3VW9011-0AD07		1
110 ... 120 V AC/DC	3VW9011-0AD05		1



3VW9011-0AH01

Low Voltage Coil (UVR)

220 ... 240 V AC/DC	3VW9011-0AE07		1
110 ... 120 V AC/DC	3VW9011-0AE05		1

Ready-to-Close Contact (RTC)

Standard type, 250V AC	3VW9011-0AH01		1
Digital , 24V AC	3VW9011-0AH02		1

SENTRON protection devices

Accessories for 3VA compact type power switches

3VA27 COMPACT SWITCH ACCESSORIES

Product Type	Order No		Min. Order quantity
--------------	----------	--	---------------------

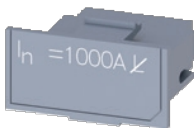
Auxiliary contact element , AUX



3VW9011-0AG01

Standard type, 4CO, 400V	3VW9011-0AG01		1
Digital, 4CO, 24V DC	3VW9011-0AG02		1

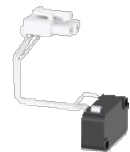
L=OFF socket (for motor protection applications)



3VW9011-0LF57

800A	3VW9011-0LF56		1
1000A	3VW9011-0LF57		1
1250A	3VW9011-0LF58		1
1600A	3VW9011-0LF61		1

Trip Contact (via ETU), S24,



3VW9011-0AH10

Standard type, 1CO, 250V AC	3VW9011-0AH14		1
Digital , 1CO , 24V DC	3VW9011-0AH15		1

Spring-loaded Contact, S21 (for spring-loaded switch)



3VW9011-0AH10

Standard type, 1CO, 400V AC	3VW9011-0AH10		1
Digital , 1CO , 24V DC	3VW9011-0AH08		1

Communication Modules (3VA27 Compact Type Switches must be selected as ETU650 or ETU660).

COM040 PROFIBUS	3VW9011-0AT15		1
COM041 PROFINET	3VW9011-0AT14		1
COM043 Modbus TCP	3VW9011-0AT16		1
COM042 Modbus RTU	3VW9011-0AT17		1

Mechanical Lockout Kit (with 2m Bowden cable)



3VW9011-0BB21

Fixed type circuit breaker	3VW9011-0BB21		1
Side walls for mechanical locking from the side (Floor mounting)*	3VW9011-0BB52		1
Side walls for side mechanical locking (Mounting on Mounting Plate)*	3VW9011-0BB53		1
Drawer type circuit breaker	3VW9011-0BB22		1

* For side mechanical locking, side walls must be added according to the mounting method.

Including extended busbar fittings, phase barriers and isolation plate



3VW9011-0AL77

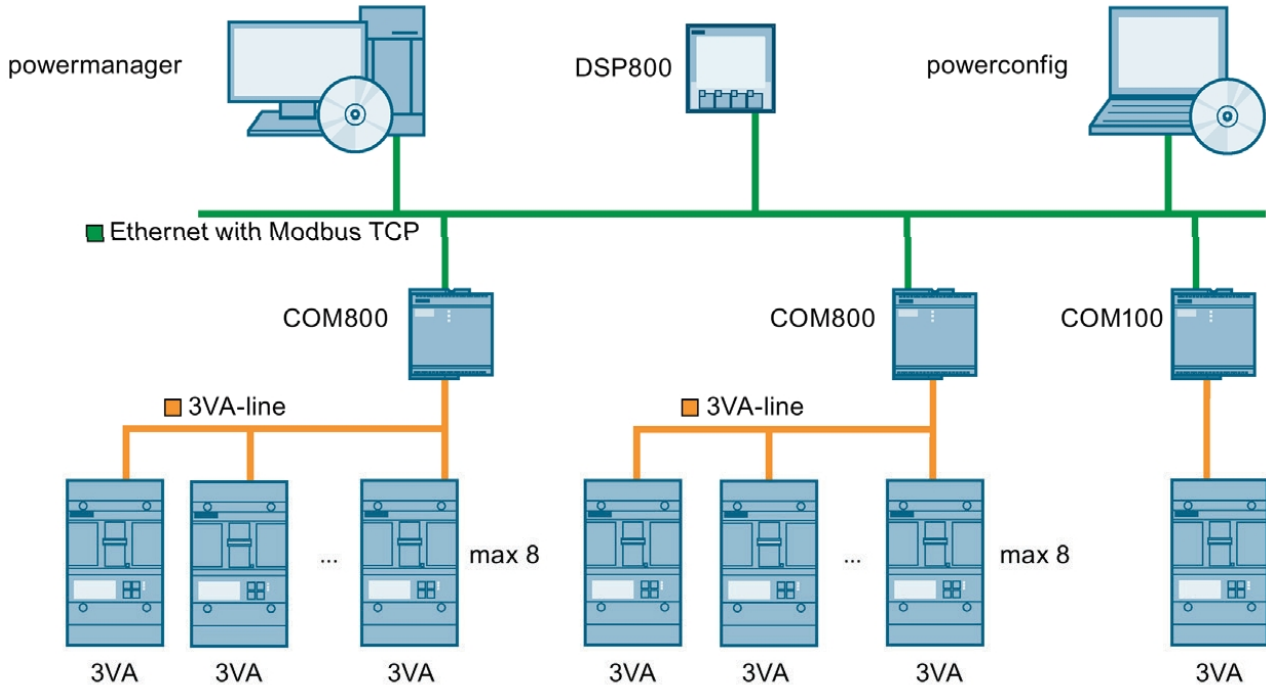
Set for 3 Pole switch	3VW9011-0AL77		1
Set for 4 Pole switch	3VW9011-0AL78		1

SENTRON protection devices

Communication diagrams with 3VA compact type switches

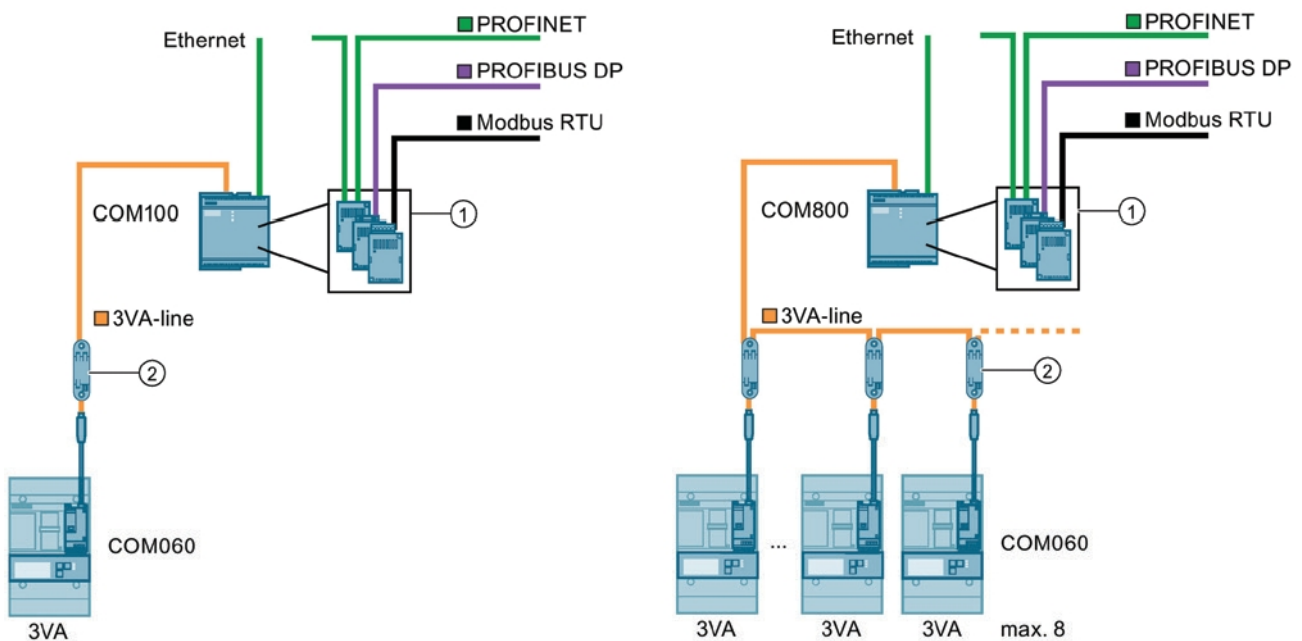
Communication Scheme with Ethernet- Modbus TCP (Standard)

3VA Series compact type switches should be selected with ETU5&8 Protection Units.



7KM Communication Diagram for different protocols created with expansion modules








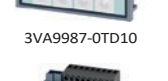



3VA Series compact type switches should be selected with ETU5&8 Protection Units.



- ① 7KM PAC Expansion module T-
- ② connector

SENTRON protection devices

3VA compact type communication accessories

3VA COMPACT SWITCH COMMUNICATION ACCESSORIES				3 and 4 poles	
Version	Power Switch type		Order No		Min. Order quantity
	3VA21 3VA22	3VA23 3VA24 3VA25			
 3VA9187-0TB10					
 (3VA9987-) (OTA10)	COM060 - Communication Module (Provides power to the LCD screen. Communicates with COM800.) Mounted on the right side of the switch in the internal module housing. T-Connector included.				
	✓		3VA9187-0TB10		1
		✓	3VA9387-0TB10		1
 3VA9987-0TC10	COM100 - Communication Data Collector (can be connected to 1 3VA2 switch) Ethernet 10/100 Mbit/s interface. Additional slot for communication modules				
	✓	✓	3VA9987-0TA20		
 3VA9987-0TC10	COM800 - Communication Data Collector (up to 8 3VA2 switches can be connected) Ethernet 10/100 Mbit/s interface. Slot for additional communication modules				
	✓	✓	3VA9987-0TA10		1
 7KM9300-0AE01-0AA0	Communication Cable (between COM060s and between COM060 and COM800)				
	✓	✓	3VA9987-0TC10		1
	✓	✓	3VA9987-0TC20		1
	✓	✓	3VA9987-0TC30		1
	✓	✓	3VA9987-0TC40		1
 7KM9300-0AB01-0AA0	Communication expansion modules				
	✓	✓	7KM9300-0AB01-0AA0		1
	✓	✓	7KM9300-0AE02-0AA0		1
	✓	✓	7KM9300-0AM00-0AA0		1
 7KM9300-0AB01-0AA0	DSP800 - Display (Information of 8 3VA2 switches can be monitored on a single screen) Receives information from the COM800 device over Ethernet.				
	✓	✓	3VA9987-0TD10		1
 3VA9987-0TD10	EFB300 - External digital communication device				
	✓	✓	3VA9987-0UA10		1
 3VA9987-0UA10	TD300 Tester (with ETU faceplate connection) • Energizes the LED Display and tests the trip unit of the switch				
	✓	✓	3VA9987-0MA10		1
 3VA9987-0MA10	TD500 Tester (ETU faceplate and PC connection via USB) • Trip test of different functions (LSING) • Parameterization with powerconfig via PC • ETU display is energized via TD500 with external power				
	✓	✓	3VA9987-0MB10		1
 3VA9987-0MB10	powerconfig® (software for Siemens switchgear) • Software for parameterization and configuration of 3VA2 switches. Compatible with Windows XP, Windows 7 • Can communicate via TD500 or COM800 • powerconfig software is available for download from Siemens Industry Online Support				

<http://support.automation.siemens.com/WW/view/en/63452759>

SENTRON protection devices

3WA Open Type Switch

You can easily create your 3WA product code via the online configurator.

www.siemens.com/lowvoltage/3wa-configurator

Coding Systematics

3WA1

		5	6	7	8	9	10	11	12	13	14	15	16	
Size	1	1												
	2	2												
	3	3												
		SZ 1	SZ 2	SZ 3										
Maximum	630 A	■	-	-	0	6								
Nominal Current	800 A	■	-	-	0	8								
In max	1000 A	■	-	-	1	0								
	1250 A	■	-	-	1	2								
	1600 A	■	-	-	1	6								
	2000 A	■	■	-	2	0								
	2500 A	■	■	-	2	5								
	3200 A	-	■	-	3	2								
	4000 A	-	■ ¹⁾	■	4	0								
	5000 A	-	-	■	5	0								
	6300 A	-	-	■	6	3								
Short Circuit Cutting Capacity Icu500V / 690V	N	55/42 kA	■	-	-								2	
	S	66/50 kA	■	■	-								3	
	M	85/66 kA	■	■	-								4	
	H	100/85 kA	-	■	■								5	
	C	130/100 kA	-	-	■								6	
	3-Pole: 150/150 kA	-	-	■									6	
	4-Pole: 130/130 kA	-	-	■									6	
Non-automatic open type switch								A	A					
Non-automatic open type switch, communication infrastructure available, ready4COM								C	A					
Application-oriented measurement and protection with Electronic Trip Unit functions	Electronic Trip Unit ETU300	LSI						A	B					
		LSIG						A	C					
	Electronic Trip Unit ETU600	Current Measurement							A					
		Current Measurement, ready4COM feature							C					
	PMF -I	Energy Efficiency	Voltage Connection from Top						L					
			Voltage Connection from Bottom						E					
	PMF -II	Energy Monitoring	Voltage Connection from Top						M					
			Voltage Connection from Bottom						F					
	Advanced PMF -III	Energy Monitoring	Voltage Connection from Top						N					
			Voltage Connection from Bottom						G					
Application-oriented measurement and protection functions with the Electronic Trip Unit ETU600	Protection Unit	SZ1	■	■	■	LSI							E	
		SZ2	■	■	■	LSIG							F	
		SZ3	-	■	■	LSIG Hi-Z							G	
Number of Poles	Fixed Type Switch					3 poles			0					
						4 poles			1					
	Drawer type switch	Position without signal					3 poles			3				
							4 Poles			4				
		Position signaled					3 Poles			6				
							4 Poles			7				
Connection Type	Fixed Type	SZ1	■	■ ¹⁾	■	Vertical Connection			1					
		SZ2	■	■	■ ⁴⁾	Horizontal Connection			2					
		SZ3	■ ²⁾	■ ⁵⁾	■ ⁶⁾	Front Connection			3					
			■	■	■ ⁴⁾	Top Vertical/Bottom Horizontal Connection			5					
			■	■	■ ⁴⁾	Upper Horizontal/Lower Vertical			6					
			■	■	■	Connection Non-Drawer Connection			0					
	Drawer Type	Vertical Connection	SZ1	■	■ ¹⁾	■	Vertical Connection			1				
			SZ2	■ ²⁾	■	■ ⁴⁾	Horizontal Connection			2				
		Front Connection	SZ3	■ ²⁾	■ ⁵⁾	■ ⁶⁾	Front Connection			3				
				■ ²⁾	■	■ ⁴⁾	Top Vertical/Bottom Horizontal Connection			5				
		Flanged Connection		■ ²⁾	■	■ ⁴⁾	Upper Horizontal/Lower Vertical Connection			6				
				■	■	■	Connection Non-Drawer Connection			0				
				■	■ ¹⁾	■	Vertical Connection			1				
				■ ²⁾	■	■ ⁴⁾	Horizontal Connection			2				
	■ ²⁾	■ ⁵⁾	■ ⁶⁾	Front Connection			3							
	■ ²⁾	■ ⁵⁾	■ ⁶⁾	Flanged Connection			4							
	■ ²⁾	■	■ ⁴⁾	Top Vertical/Bottom Horizontal Connection			5							
	■ ²⁾	■	■ ⁴⁾	Upper Horizontal/Lower Vertical Connection			6							
	■ ²⁾	■ ⁵⁾	■ ⁶⁾	Top Flanged/Bottom Horizontal Connection			7							
	■ ²⁾	■ ⁵⁾	■ ⁶⁾	Upper Horizontal/Lower Flanged Connection			8							

¹⁾The horizontal connection dimensions for 4000 A in switch 3WA1 are not the

²⁾Not applicable for 2500 A.

³⁾Not applicable for 4000 A.

⁴⁾Not applicable for 6300 A.

⁵⁾Not applicable for 4000 A and type C short circuit breaking capacity.

⁶⁾Not applicable for 5000 A / 6300 A type short circuit breaking capacity.

			5	6	7	8	9	10	11	12	13	14	15	16			
3WA1																	
Setting up a spring Motor , auxiliary contacts	Front cocking spring, manual drive	Setting up a spring non-motorized	2 NO, 2 NC								0						
			4 NO, 4 NC								1						
	Spring winding motorized	DC 24 ... 30 V	2 NO, 2 NC									2					
		DC 48 ... 60 V	4 NO, 4 NC									5					
		AC 110 ... 127 V / DC 110 ... 125 V	2 NO, 2 NC									6					
		AC 110 ... 127 V / DC 110 ... 125 V	4 NO, 4 NC									3					
		AC 208 ... 240 V / DC 220 ... 250 V	2 NO, 2 NC									7					
		AC 208 ... 240 V / DC 220 ... 250 V	4 NO, 4 NC									4					
		4 NO, 4 NC									8						
Shutdown Coil, Remote trip alarm reset coil ¹⁾	No closing coil	No remote trip alarm reset											A				
	Shutdown Coil (Suitable for continuous energization)	No remote trip alarm reset coil	DC 24 ... 30 V											B			
			DC 48 ... 60 V												C		
			AC 110 ... 127 V / DC 110 ... 125 V													D	
			AC 208 ... 240 V / DC 220 ... 250 V														E
			AC 208 ... 240 V / DC 220 ... 250 V														F
	1) The remote trip alarm reset coil is not suitable for non-automatic switches.	With remote trip alarm reset coil (RR), Instantaneous energy suitable to stay under)	DC 24 ... 30 V												G		
			DC 48 ... 60 V													H	
			AC 110 ... 127 V / DC 110 ... 125 V														I
			AC 110 ... 127 V / DC 110 ... 125 V														J
AC 208 ... 240 V / DC 220 ... 250 V																	
2. Auxiliary relay		yok												A			
	With trip coil (ST), (suitable for continuous energization)		DC 24 ... 30 V												B		
			DC 48 ... 60 V												C		
			AC 110 ... 127 V / DC 110 ... 125 V													D	
			AC 208 ... 240 V / DC 220 ... 250 V													E	
	With low voltage relay (UVR), Instantaneous (<=0.08 sec), short delay (<=0.2 sec)		DC 24 ... 30 V												L		
			DC 48 ... 60 V												N		
			AC 110 ... 127 V / DC 110 ... 125 V													P	
			AC 208 ... 240 V / DC 220 ... 250 V													Q	
	With low voltage relay (UVR-t), 0.2 sec-3.2 sec delay adjustable.		AC 380 ... 415 V R												R		
DC 48 V															S		
DC 60 V															T		
AC 110 ... 127 V / DC 110 ... 125 V															U		
		AC 208 ... 240 V / DC 220 ... 250 V												V			
		AC 380 ... 415 V												W			
1. Auxiliary relay	With trip coil (ST/ST-COM), (suitable for continuous energization)		yok											0			
			DC 24 ... 30 V												1		
			DC 48 ... 60 V													2	
			AC 110 ... 127 V / DC 110 ... 125 V													3	
			AC 208 ... 240 V / DC 220 ... 250 V													4	

SENTRON Protection Devices

3WA Open Type Switches

NEW

General information

- Nominal operating short circuit opening capacity $I_{cs}=I_{cu}$
- Rated operating voltage AC 690 V (1000 V optional)
- Fixed and drawer type with 3 and 4 poles
- Rated operating current 630 - 6300 A
- 3 sizes with 5 types of short circuit opening capacity (55, 66, 80, 100 and 150kA)
- Up to 1600 A at 440 V AC with a structure width of 400 mm
- Possibility to be loaded with rated current up to 55⁽¹⁾ C
- For ETU300 and ETU600 details see page 88

Standard accessories

- Main contact wear indicator
- Ready to close indicator and contact
- Trip denunciation contact
- Spring installed contact
- Built-in current transformer for 4th pole
- Shutter for withdrawable switch
- 2NO+ 2NC contact standard



3WA fixed type switch



3WA withdrawable type switch

Size	Maximum Rated Current In max (A)	Nominal Current In (A) ¹⁾	kA $I_{cs}=I_{cu}$	3-pole open type power switch ²⁾ Order No
------	----------------------------------	--------------------------------------	--------------------	--

Fixed mounted type 3-pole switches (55 and 66 kA, price with ETU300 Trip unit)

I	630	630	55	3WA1106-2AB02-0AA0
I	800	800	55	3WA1108-2AB02-0AA0
I	1000	1000	55	3WA1110-2AB02-0AA0
I	1250	1250	55	3WA1112-2AB02-0AA0
I	1600	1600	55	3WA1116-2AB02-0AA0
I	2000	2000	55	3WA1120-2AB02-0AA0
I	2500	2500	55	3WA1125-2AB02-0AA0
I	630	630	66	3WA1106-3AB02-0AA0
I	800	800	66	3WA1108-3AB02-0AA0
I	1000	1000	66	3WA1110-3AB02-0AA0
I	1250	1250	66	3WA1112-3AB02-0AA0
I	1600	1600	66	3WA1116-3AB02-0AA0
I	2000	2000	66	3WA1120-3AB02-0AA0
I	2500	2500	66	3WA1125-3AB02-0AA0
II	2500	2500	66	3WA1225-3AB02-0AA0
II	3200	3200	66	3WA1232-3AB02-0AA0
II	4000	4000	66	3WA1240-3AB02-0AA0

Drawer type 3-pole switches (55 and 66 kA, price with ETU300 unit)

I	630	630	55	3WA1106-2AB32-0AA0
I	800	800	55	3WA1108-2AB32-0AA0
I	1000	1000	55	3WA1110-2AB32-0AA0
I	1250	1250	55	3WA1112-2AB32-0AA0
I	1600	1600	55	3WA1116-2AB32-0AA0
I	2000	2000	55	3WA1120-2AB32-0AA0
I	630	630	66	3WA1106-3AB32-0AA0
I	800	800	66	3WA1108-3AB32-0AA0
I	1000	1000	66	3WA1110-3AB32-0AA0
I	1250	1250	66	3WA1112-3AB32-0AA0
I	1600	1600	66	3WA1116-3AB32-0AA0
I	2000	2000	66	3WA1120-3AB32-0AA0
II	2500	2500	66	3WA1225-3AB32-0AA0
II	3200	3200	66	3WA1232-3AB32-0AA0
II	4000	4000	66	3WA1240-3AB32-0AA0

NEW

Price differences for other types of electronic overcurrent tripping units (ETU)

Type without earth leakage protection	Order Number Additions
ETU300 : With LSI Protection function	AB
ETU600 : LSI with protection function, Current measurement	AE
ETU600 : LSI with protection function, current measurement, ready4COM ³⁾	CE
ETU600 : ETU600 with LSI Protection function, PMF-I energy efficiency ¹⁾ :	LE
PMF-II energy monitoring with LSI Protection function ¹⁾	ME
ETU600 : PMF-III advanced energy monitoring with LSI Protection function ¹⁾	NE
Earth leakage protected type	
ETU300 : LSIG with protection function	AC
ETU600 : LSIG with protection function, Current measurement	AF
ETU600 : LSIG with protection function, current measurement, ready4COM ³⁾	CF
ETU600 : with LSIG Protection function, PMF-I energy efficiency ¹⁾ ETU600 :	CF
PMF-II energy monitoring with LSIG Protection function ¹⁾	LF
ETU600 : PMF-III advanced energy monitoring with LSIG Protection function ¹⁾	MF
	NF

Footnotes

- 1) The rated current is determined by the rated current module. The module supplied as standard corresponds the maximum rated current. If a smaller rated current module is desired, select it on page 95.
 - 2) The voltage connection from the top. For selection with voltage connection from the bottom see page 84
 - 3) The switch to be communicative; communication module must be added separately. See page 92
- For 150 kA cutting capacities, you can consult our sales representatives.
Standard order number addition (for order number additions with accessory installation, please refer to page 91).

SENTRON protection devices

3WA open type switches

SENTRON WA 3 POLE OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

NEW



Size	Maximum Rated Current In max (A)	Rated Current ¹⁾ In(A)	kA Ics=Icu	3-pole open type power switch ⁴⁾ Order No.
------	----------------------------------	-----------------------------------	------------	---

Fixed mounted type 3-pole switches (85 and 100 kA, price with ETU300 Trip unit)

I	630	630	85	3WA1106-4AB02-0AA0
I	800	800	85	3WA1108-4AB02-0AA0
I	1000	1000	85	3WA1110-4AB02-0AA0
I	1250	1250	85	3WA1112-4AB02-0AA0
I	1600	1600	85	3WA1116-4AB02-0AA0
I	2000	2000	85	3WA1120-4AB02-0AA0
I	2500	2500	85	3WA1125-4AB02-0AA0
II	2500	2500	85	3WA1225-4AB02-0AA0
II	3200	3200	85	3WA1232-4AB02-0AA0
II	4000	4000	85	3WA1240-4AB02-0AA0
II	2000	2000	100	3WA1220-5AB02-0AA0
II	2500	2500	100	3WA1225-5AB02-0AA0
II	3200	3200	100	3WA1232-5AB02-0AA0
II	4000	4000	100	3WA1240-5AB02-0AA0
III	4000	4000	100	3WA1340-5AB02-0AA0
III	5000	5000	100	3WA1350-5AB02-0AA0
III	6300	6300	100	3WA1363-5AB01-0AA0



3WA fixed type switch

NEW

NEW

Drawer type 3-pole switches (including 85 and 100 kA drawer, price with ETU300 Trip unit)

I	630	630	85	3WA1106-4AB32-0AA0
I	800	800	85	3WA1108-4AB32-0AA0
I	1000	1000	85	3WA1110-4AB32-0AA0
I	1250	1250	85	3WA1112-4AB32-0AA0
I	1600	1600	85	3WA1116-4AB32-0AA0
I	2000	2000	85	3WA1120-4AB32-0AA0
I	2500	2500	85	3WA1225-4AB32-0AA0
II	3200	3200	85	3WA1232-4AB32-0AA0
II	4000	4000	85	3WA1240-4AB32-0AA0
II	2000	2000	100	3WA1220-5AB32-0AA0
II	2500	2500	100	3WA1225-5AB32-0AA0
II	3200	3200	100	3WA1232-5AB32-0AA0
II	4000	4000	100	3WA1240-5AB32-0AA0
III	4000	4000	100	3WA1340-5AB32-0AA0
III	5000	5000	100	3WA1350-5AB32-0AA0
III	6300	6300	100	3WA1363-5AB31-0AA0



3WA withdrawable type switch

NEW

NEW

Price differences for other types of electronic overcurrent tripping units (ETU)

Type without earth leakage protection	Order Number Additions
ETU300 : With LSI Protection function	AB
ETU600 : LSI with protection function, Current measurement	AE
ETU600 : LSI with protection function, current measurement, ready4COM ⁴⁾	CE
ETU600 : With LSI Protection function, PMF-I energy efficiency ³⁾	LE
ETU600 : PMF-II energy monitoring with LSI Protection function ⁴⁾	ME
ETU600 : PMF-III advanced energy monitoring with LSI Protection function ³⁾	NE
Earth leakage protected type	
ETU300 : LSIG with protection function	AC
ETU600 : LSIG with protection function, Current measurement	AF
ETU600 : LSIG with protection function, current measurement, ready4COM ⁴⁾	CF
ETU600 : with LSIG Protection function, PMF-I energy efficiency ³⁾	LF
ETU600 : PMF-II energy monitoring with LSIG Protection function ⁴⁾	MF
ETU600 : PMF-III advanced energy monitoring with LSIG Protection function ³⁾	NF

Footnotes

- 1) The rated current is determined by the rated current module. The module supplied as standard corresponds to the maximum rated current. If a smaller rated current module is desired, select it on page 95.
 - 2) The voltage connection from the top. For selection with voltage connection from the bottom see page 84
 - 3) the switch to be communicative; communication module must be added separately. See page 92
- For 150 kA cutting capacities, you can consult our sales representatives.
Standard order number addition (for order number additions with accessory installation, please refer to page 91).

SENTRON protection devices

3WA open type switches

SENTRON WA 4 POLE OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

NEW

General information

- Nominal operating short circuit opening capacity $I_{cs}=I_{cu}$
- Rated operating voltage AC 690 V (1000 V optional)
- Fixed and drawer type with 3 and 4 poles
- Rated operating current 630 - 6300 A
- 3 sizes with 5 types of short circuit opening capacity (55, 66, 80, 100 and 150kA)
- Up to 1600 A at 440 V AC with a structure width of 400 mm
- Possibility to be loaded with rated current up to 55^(a)C
- For ETU300 and ETU600 details see page 88

Standard accessories

- Main contact wear indicator
- Ready to close indicator and contact
- Trip denunciation contact
- Spring installed contact
- Built-in current transformer for 4th pole
- Shutter for withdrawable switch
- 2NO+ 2NC contact standard



3WA fixed type switch



3WA withdrawable type switch

Size	Maximum Rated Current In max (A)	Nominal Current In (A) ¹⁾	kA $I_{cs}=I_{cu}$	4-pole open type power switch ²⁾ Order No.
------	----------------------------------	--------------------------------------	--------------------	---

Fixed mounted type 4-pole switches (55 and 66 kA, price with ETU300 Trip unit)

I	630	630	55	3WA1106-2AB12-0AA0
I	800	800	55	3WA1108-2AB12-0AA0
I	1000	1000	55	3WA1110-2AB12-0AA0
I	1250	1250	55	3WA1112-2AB12-0AA0
I	1600	1600	55	3WA1116-2AB12-0AA0
I	2000	2000	55	3WA1120-2AB12-0AA0
I	2500	2500	55	3WA1125-2AB12-0AA0
I	630	630	66	3WA1106-3AB12-0AA0
I	800	800	66	3WA1108-3AB12-0AA0
I	1000	1000	66	3WA1110-3AB12-0AA0
I	1250	1250	66	3WA1112-3AB12-0AA0
I	1600	1600	66	3WA1116-3AB12-0AA0
I	2000	2000	66	3WA1120-3AB12-0AA0
I	2500	2500	66	3WA1125-3AB12-0AA0
II	2500	2500	66	3WA1225-3AB12-0AA0
II	3200	3200	66	3WA1232-3AB12-0AA0
II	4000	4000	66	3WA1240-3AB12-0AA0

Drawer type 4-pole switches (55 and 66 kA, price with ETU300 Trip unit)

I	630	630	55	3WA1106-2AB42-0AA0
I	800	800	55	3WA1108-2AB42-0AA0
I	1000	1000	55	3WA1110-2AB42-0AA0
I	1250	1250	55	3WA1112-2AB42-0AA0
I	1600	1600	55	3WA1116-2AB42-0AA0
I	2000	2000	55	3WA1120-2AB42-0AA0
I	630	630	66	3WA1106-3AB42-0AA0
I	800	800	66	3WA1108-3AB42-0AA0
I	1000	1000	66	3WA1110-3AB42-0AA0
I	1250	1250	66	3WA1112-3AB42-0AA0
I	1600	1600	66	3WA1116-3AB42-0AA0
I	2000	2000	66	3WA1120-3AB42-0AA0
II	2500	2500	66	3WA1225-3AB42-0AA0
II	3200	3200	66	3WA1232-3AB42-0AA0
II	4000	4000	66	3WA1240-3AB42-0AA0

Price differences for other types of electronic overcurrent tripping units (ETU)

Type without earth leakage protection	Order Number Additions
TU300 : LSI Protection function	AB
ETU600 : LSI Protection function, Current measurement	AE
ETU600 : LSI Protection function, Current measurement, ready4COM ⁴⁾	CE
ETU600 : LSI Protection function, PMF-I energy efficiency ⁴⁾	LE
ETU600 : LSI Protection function, PMF-II energy monitoring ⁴⁾	ME
ETU600 : LSI Protection function, PMF-III advanced energy monitoring ⁴⁾	NE
Earth leakage protected type	
ETU300 : LSIG with protection function	AC
ETU600 : LSIG with protection function, Current measurement	AF
ETU600 : LSIG with protection function, current measurement, ready4COM ⁴⁾	CF
ETU600 : LSIG With protection function, PMF-I energy efficiency ⁴⁾	CF
ETU600 : PMF-II energy monitoring with LSIG Protection function ⁴⁾	LF
ETU600 : PMF-III advanced energy monitoring with LSIG Protection function ⁴⁾	MF
	NF

Footnotes

- 1) The rated current is determined by the rated current module. The module supplied as standard corresponds the maximum rated current. If you want to use a smaller rated current module, select it on page 95.
- 2) The voltage connection from the top. For selection with voltage connection from the bottom see page 84
- 3) the switch to be communicative; communication module must be added separately. See page 92
- 4) For 150 kA cutting capacities, you can consult our sales representatives.
- 5) Standard order number addition (for order number additions with accessory installation, please refer to page 91).

SENTRON protection devices

3WA open type switches

SENTRON WA 4 POLE OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

NEW



Size	Maximum Rated Current In max (A)	Nominal Current In (A) ¹⁾	kA Ics=Icu	4-pole open type power switch ⁴⁾ Order No.
------	----------------------------------	--------------------------------------	------------	---

Fixed mounted type 4-pole switches (85 and 100 kA, price with ETU300 Trip unit)

I	630	630	85	3WA1106-4AB12-0AA0
I	800	800	85	3WA1108-4AB12-0AA0
I	1000	1000	85	3WA1110-4AB12-0AA0
I	1250	1250	85	3WA1112-4AB12-0AA0
I	1600	1600	85	3WA1116-4AB12-0AA0
I	2000	2000	85	3WA1120-4AB12-0AA0
I	2500	2500	85	3WA1125-4AB12-0AA0
II	2500	2500	85	3WA1225-4AB12-0AA0
II	3200	3200	85	3WA1232-4AB12-0AA0
II	4000	4000	85	3WA1240-4AB12-0AA0
II	2000	2000	100	3WA1220-5AB12-0AA0
II	2500	2500	100	3WA1225-5AB12-0AA0
II	3200	3200	100	3WA1232-5AB12-0AA0
II	4000	4000	100	3WA1240-5AB12-0AA0
III	4000	4000	100	3WA1340-5AB12-0AA0
III	5000	5000	100	3WA1350-5AB12-0AA0
III	6300	6300	100	3WA1363-5AB11-0AA0



3WA fixed type switch

Drawer type 4-pole switches (including 85 and 100 kA drawer, price with ETU300 Trip unit)

I	630	630	85	3WA1106-4AB42-0AA0
I	800	800	85	3WA1108-4AB42-0AA0
I	1000	1000	85	3WA1110-4AB42-0AA0
I	1250	1250	85	3WA1112-4AB42-0AA0
I	1600	1600	85	3WA1116-4AB42-0AA0
I	2000	2000	85	3WA1120-4AB42-0AA0
II	2500	2500	85	3WA1225-4AB42-0AA0
II	3200	3200	85	3WA1232-4AB42-0AA0
II	4000	4000	85	3WA1240-4AB42-0AA0
II	2000	2000	100	3WA1220-5AB42-0AA0
II	2500	2500	100	3WA1225-5AB42-0AA0
II	3200	3200	100	3WA1232-5AB42-0AA0
II	4000	4000	100	3WA1240-5AB42-0AA0
III	4000	4000	100	3WA1340-5AB42-0AA0
III	5000	5000	100	3WA1350-5AB42-0AA0
III	6300	6300	100	3WA1363-5AB41-0AA0



3WA withdrawable type switch

Price differences for other types of electronic overcurrent tripping units (ETU)

Order Number Additions

Type without earth leakage protection

ETU300 : With LSI Protection function	AB
ETU600 : LSI with protection function, Current measurement	AE
ETU600 : LSI with protection function, current measurement, ready4COM ³⁾	CE
ETU600 : With LSI Protection function, PMF-I energy efficiency ⁴⁾	LE
ETU600 : PMF-II energy monitoring with LSI Protection function ⁴⁾	ME
ETU600 : PMF-III advanced energy monitoring with LSI Protection function ⁴⁾	NE

Earth leakage protected type

ETU300 : LSIG with protection function	AC
ETU600 : LSIG with protection function, Current measurement	AF
ETU600 : LSIG with protection function, current measurement, ready4COM ³⁾	CF
ETU600 : LSIG with protection function, PMF-I energy efficiency ⁴⁾	LF
ETU600 : PMF-II energy monitoring with LSIG Protection function ⁴⁾	MF
ETU600 : PMF-III advanced energy monitoring with LSIG Protection function ⁴⁾	NF

Footnotes

- 1) The rated current is determined by the rated current module. The module supplied as standard corresponds to the maximum rated current. If you want to use a smaller rated current module, select it on page 95.
- 2) The voltage connection from the top. For selection with voltage connection from the bottom see page 84
- 3) the switch to be communicative; communication module must be added separately. See page 92
- 4) For 150 kA cutting capacities, you can consult our sales representatives.
- 5) Standard order number addition (for order number additions with accessory installation, please refer to page 91).

SENTRON protection devices

3WA open type switches

SENTRON WA 3 POLE 1000V OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

NEW



Size	Maximum Rated Current In max (A)	Nominal Current In (A) ¹⁾	kA Ics=Icu 690V / 1000V	3-pole open type power switch ⁴⁾ Order No.
------	----------------------------------	--------------------------------------	-------------------------	---

Fixed mounted type 3-pole switches (85 and 150 kA, price with ETU300 Trip unit)

I	630	630	85 / 50	3WA1106-8AB02-0AA0
I	800	800	85 / 50	3WA1108-8AB02-0AA0
I	1000	1000	85 / 50	3WA1110-8AB02-0AA0
I	1250	1250	85 / 50	3WA1112-8AB02-0AA0
I	1600	1600	85 / 50	3WA1116-8AB02-0AA0
I	2000	2000	85 / 50	3WA1120-8AB02-0AA0
I	2500	2500	85 / 50	3WA1125-8AB02-0AA0
II	2000	2000	85 / 50	3WA1220-8AB02-0AA0
II	2500	2500	85 / 50	3WA1225-8AB02-0AA0
II	3200	3200	85 / 50	3WA1232-8AB02-0AA0
II	4000	4000	85 / 50	3WA1240-8AB02-0AA0
III	4000	4000	150 / 125	3WA1340-8AB02-0AA0
III	5000	5000	150 / 125	3WA1350-8AB02-0AA0
III	6300	6300	150 / 125	3WA1363-8AB01-0AA0



3WA fixed type switch



3WA withdrawable type switch

Price differences for other types of electronic overcurrent tripping units (ETU)

Type without earth leakage protection

ETU300 : With LSI Protection function	AB
ETU600 : LSI with protection function, Current measurement	AE
ETU600 : LSI with protection function, current measurement, ready4COM ³⁾	CE
ETU600 : With LSI Protection function, PMF-I energy efficiency ³⁾	LE
ETU600 : PMF-II energy monitoring with LSI Protection function ³⁾	ME
ETU600 : PMF-III advanced energy monitoring with LSI Protection function ³⁾	NE

Earth leakage protected type

ETU300 : LSIG with protection function	AC
ETU600 : LSIG with protection function, Current measurement	AF
ETU600 : LSIG with protection function, current measurement, ready4COM ³⁾	CF
ETU600 : with LSIG Protection function, PMF-I energy efficiency ³⁾	LF
ETU600 : PMF-II energy monitoring with LSIG Protection function ³⁾	MF
ETU600 : PMF-III advanced energy monitoring with LSIG Protection function ³⁾	NF

Order Number Additions

Footnotes

- 1) The rated current is determined by the rated current module. The module supplied as standard corresponds to the maximum rated current. If you want to use a smaller rated current module, select it on page 95.
- 2) The voltage connection from the top. For selection with voltage connection from the bottom see page 84
- 3) the switch to be communicative; communication module must be added separately. See page 92
- 4) For 150 kA cutting capacities, you can consult our sales representatives.
- 5) Standard order number addition (for order number additions with accessory installation, please refer to page 91).

Overview of electronic trip units

ETU300 and ETU600 overview	ETU300	ETU600
LSI	✓	✓
LSIG	✓	✓
LSIG	-	✓
N protection	✓	✓
Measurement function	-	✓
Enhanced protection functions	-	✓
CubicleBUS ²	-	✓
Screen	-	✓
DAS+ input and output	✓	✓
LED error indicator	✓	✓
Bluetooth and USB-C	-	✓
FW update	-	✓
test function (with/without trip)	✓	✓
Extended test functions	-	✓
Energizing with Powerbank	-	✓
Energization with TD400 tester	✓	-

SENTRON protection devices

Accessories for 3WA open type switches

SENTRON WA OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

NEW

Fixed and Drawer Type Order No. additions

Select the first 12 digits of the switch code from pages 78-81

Order No. Addition
3WA 1... --

□ □ □ □

Spring winding motor, auxiliary contacts	Front cocking spring, manual drive Mechanical closure	Spring winding without motor	2 NO, 2 NC 4 NO, 4 NC	0 1				
		Spring winding motorized	DC 24 ... 30 V	2 NO, 2 NC 4 NO, 4 NC	2 5			
	DC 48 ... 60 V		4 NO, 4 NC	6				
	(AC 110 ... 127 V) (DC 110 ... 125 V)		2 NO, 2 NC 4 NO, 4 NC	3 7				
			(AC 208 ... 240 V) (DC 220 ... 250 V)	2 NO, 2 NC 4 NO, 4 NC	4 8			
	Closing Coil, Remote trip alarm reset coil			No closing coil	No remote trip alarm reset coil		A	
			Closing Coil (Suitable for continuous energization)	Remote trip alarm reset no coil	DC 24 ... 30 V		B	
	DC 48 ... 60 V AC 110 ... 127 V / DC 110 ... 125 V AC 208 ... 240 V / DC 220 ... 250 V				C D E			
Remote trip alarm with reset coil (RR), (Suitable for being under instantaneous energy)	DC 24 ... 30 V DC 48 ... 60 V			F G				
	AC 110 ... 127 V / DC 110 ... 125 V AC 208 ... 240 V / DC 220 ... 250 V			H J				
2. Auxiliary relay	With trip coil (ST), (suitable for continuous energization)	None			A			
		DC 24 ... 30 V		B				
		DC 48 ... 60 V AC 110 ... 127 V / DC 110 ... 125 V AC 208 ... 240 V / DC 220 ... 250 V		C D E				
		DC 24 ... 30 V		L				
	With low voltage relay (UVR), Instantaneous (<=0.08 sec), short delay (<=0.2 sec)	DC 48 ... 60 V		N				
		AC 110 ... 127 V / DC 110 ... 125 V AC 208 ... 240 V / DC 220 ... 250 V		P Q				
		AC 380 ... 415 V R		R				
		DC 48 V		S				
	With low voltage relay (UVR-t), 0.2 sec-3.2 sec delay adjustable.	DC 60 V		T				
		AC 110 ... 127 V / DC 110 ... 125 V AC 208 ... 240 V / DC 220 ... 250 V		U V				
		AC 380 ... 415 V		W				
		None			0			
1. Auxiliary relay	With opening coil (ST/ST-COM), (Suitable for continuous energization)	DC 24 ... 30 V		1				
		DC 48 ... 60 V		2				
		AC 110 ... 127 V / DC 110 ... 125 V		3				
		AC 208 ... 240 V / DC 220 ... 250 V		4				

1) The remote trip alarm reset coil is not suitable for non-automatic switches.

¹The required accessories must be added to the standard switch price (Page.86-90)

²For withdrawable switches, the price of the control circuit socket for the withdrawable switch must be added to the price for the number of control plugs. For the required number of control circuit sockets, see (Page 202-203)

Accessories that can be added when ordering or afterwards

Explanations	Order Number	
Motor Mechanism (excluding control plug, socket and closing coil)	208-240V AC/220-250V DC	3WA9111-0AF06**
	110-127V AC/110-125V DC	3WA9111-0AF05**
Closing or Opening Coil	230V AC/220V DC	3WA9111-0AD06*
	110V AC/110V DC	3WA9111-0AD05*
Low Voltage Coil Instantaneous/0.2sec delay type	208-240V AC/220-250V DC	3WA9111-0AE06**
	380-415V AC	3WA9111-0AE07**
Low Voltage Coil 0.2sec-3.2sec delay type	208-240V AC/220-250V DC	3WA9111-0AE16**
	380-415V AC	3WA9111-0AE17**

* X6, X7 control circuit plug and socket are included in the switch as standard. It is not necessary to order additional control circuit plugs and sockets for the opening coil F1, closing coil Y1 and ready-to-close contact S20 (see switch connection diagram: pages 202-203).

** Control circuit plug and socket X5 for motor, low voltage coil F3, trip coil F2 and additional auxiliary contact must be ordered separately.

*** X7 control circuit plug and socket is required for S24 trip warning contact, S10 electrical on button and S21 spring installed contact.



Motor Drive Mechanism



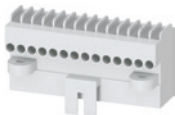
Tripping Relay



Low Voltage Coil

SENTRON protection devices

3WA air circuit breakers accessories



3WA9111-0AB08



3WA9111-0AB01

SENTRON WA OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A NEW

Explanations	Order Number
Electric ON Button	3WA9111-0AH21
Additional Contact (2NO+ 2NC) ¹⁾	3WA9111-0AG01
Additional Contact (2NO)	3WA9111-0AG02
Additional Contact (1NO +1NC)	3WA9111-0AG03
Control circuit socket-outlet for fixed and withdrawable switches (X5, X8, X9)	① 3WA9111-0AB01
Control circuit plug for fixed and withdrawable switches (X5, X8, X9)	② 3WA9111-0AB03
Coding for the control circuit plug of a fixed type switch (X5, X8, X9)	③ 3WA9111-0AB07
Control circuit intermediate socket for pull-out switch	④ 3WA9111-0AB08
Contact ready to close ¹⁾	3WA9111-0AH01
Trip notification contact ¹⁾	3WA9111-0AH02
Spring installed contact	3WA9111-0AH06
On-off counter	3WA9111-0AH05
Door carving frame	3WA9111-0AP01

Control circuit plug socket combinations for the switch;

Fixed type switch: ① - ② - ③

Drawer type switch: ① - ④ - ②

¹⁾ These accessories come as standard on the switch. Codes are indicated for spare parts.

Z Options for Fixed and Drawer Type Switches

After adding "-Z" to the end of the switch order full code, the related short codes must be listed.

Explanations	Short Code	Order codes with "-Z"	
		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	-Z
		3WA -	↑
		□□□ + . . . + . . .	↑
		"sign indicating options"	
5 Digits on-off counter	C 0 1	□ □ □	↑
Electrical ON button ²⁾ Only possible with switch with closing coil	C 1 1	□ □ □	↑
Modbus RTU Communication link*	F 1 5	□ □ □	↑
PROFINET IO/ Modbus TCP Communication connection*	F 1 9	□ □ □	↑
Door carving frame	T 4 0	□ □ □	↑
Mutual mechanical interlock module (interlock module with 2 m bowden cable)			
Fixed type switch	S 5 5	□ □ □	↑
For switch with drawer including drawer	R 5 5	□ □ □	↑
for the switch drawer	R 5 6	□ □ □	↑
For switch with drawer excluding drawer	R 5 7	□ □ □	↑

²⁾ It is not possible to use with communicating switches.

* ETU600 can be used in open type switches with Ready4com feature.

SENTRON protection devices

Accessories for 3WA open type switches



SENTRON WA OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A NEW

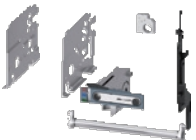
Explanations	Order Number
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Accessories that can be added when ordering or afterwards*

3-Pole, horizontally connected, drawer and withdrawable switch conversion set for 3WA open-type switch without communication function ¹⁾



3WA8225-5AA32*-1BA1



3WA9111-0BC11

Size	Order Number
Drawer 630 ... 1000 A	3WA8110-3AA32-1BA1
Drawer 1250 ... 1600 A	3WA8116-3AA32-1BA1
Drawer 2000 A ²⁾	3WA8120-3AA32-1BA1
Drawer 2000 A	3WA8220-5AA32-1BA1
Drawer 2500 A	3WA8225-5AA32-1BA1
Drawer 2000 ... 3200 A	3WA8232-5AA32-1BA1
Drawer 4000 A	3WA8240-5AA31-1BA1**
Drawer 4000 A	3WA8340-5AA32-1BA1
Drawer 5000 A	3WA8350-5AA32-1BA1
Drawer 6300 A	3WA8363-5AA31-1BA1**
Conversion kit for withdrawable switch	3WA9111-0BC11
Conversion kit for withdrawable switch	3WA9111-0BC12
Conversion kit for withdrawable switch	3WA9111-0BC13

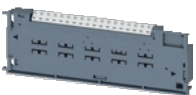
* Plugs and sockets as many as the number of control circuit sockets must be ordered separately.

** The drawers indicated a vertical connection.

¹⁾Please consult our sales department for switch drawer accessories with 4 poles and different connections.

²⁾It is used in switches with size I and 85kA breaking capacity, 630-2000A rated current and in switches with size I 2000A rated current.

Position indication contact for 3WA withdrawable switch



3WA9111-0AH11

PSS321 3 connected positions, 2 test positions, 1 unconnected position	3WA9111-0AH11
PSS111-COM 1 connected position, 1 test position, 1 unconnected position and communication module COM	3WA9111-0AH12

Front Busbar Connector (for fixed type switch) according

to DIN 43673 (top part with double holes)

Size I, up to 1000 A (1 piece)	3WA9111-0AL11
Size I, 1250 A to 1600 A (1 piece)	3WA9111-0AL12
Size II, up to 2000 A (1 piece)	3WA9111-0AL21
Size II, up to 2500 A (1 piece)	3WA9111-0AL22
Size II, up to 3200 A (1 piece)	3WA9111-0AL23
Size III, up to 4000 A (1 piece)	3WA9111-0AL31



3WA9111-0AL24

According to DIN 43673 (double perforated)

Size I, up to 1000 A (1 piece)	3WA9111-0AL13
Size I, 1250 A to 1600 A (1 piece)	3WA9111-0AL14
Size II, up to 2000 A (1 piece)	3WA9111-0AL24
Size II, up to 2500 A (1 piece)	3WA9111-0AL25
Size II, up to 3200 A (1 piece)	3WA9111-0AL26
Size III, up to 4000 A (1 piece)	3WA9111-0AL32

Front Busbar Connection Piece (for withdrawable type switch)

According to DIN 43673 (double perforated bottom or)

Size I, up to 1000 A (1 piece)	3WA9111-0AN11
Size I, 1250 A to 1600 A (1 piece)	3WA9111-0AN12
Size II, up to 2000 A (1 piece)	3WA9111-0AN21
Size II, up to 2500 A (1 piece)	3WA9111-0AN22
Size II, up to 3200 A (1 piece)	3WA9111-0AN23
Size III, up to 4000 A (1 piece)	3WA9111-0AN31

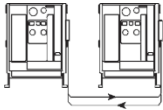
SENTRON protection devices

Accessories for 3WA open type switches



SENTRON WA OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A NEW

Explanations	Order Number
--------------	--------------



3WA9111-0BB21

Mechanical Interlocking Modules (One required for each switch.)

- Mechanical interlocking module (for fixed type switch)
- Mechanical interlocking module (for withdrawable type switch)
- Additional bowden cable for mechanical interlocking (2 meters)
- Additional bowden cable for mechanical interlocking (3 meters)
- Additional bowden cable for mechanical locking (4.5 meters)
- Adapter piece for size III pull-out switch

3WA9111-0BB21 ⁽¹⁾⁽²⁾	
3WA9111-0BB22 ⁽¹⁾⁽²⁾	
3WA9111-0BB41 ⁽²⁾	
3WA9111-0BB42 ⁽²⁾	
3WA9111-0BB43 ⁽²⁾	
3WA9111-0BB25	

⁽¹⁾2 m bowden cable included

⁽²⁾In order to lock the 3 switches together, one additional bowden cable for each switch must be ordered separately.



3WA9111-0EM21

Sealable cover for 3WA electronic trip units

For ETU300	3WA9111-0EM21	
For ETU600	3WA9111-0EM22	



3WA9111-0AP03

3WA protection cover (IP55)

Not used in combination with door carving frame, the door can be removed and opened from both sides

3WA9111-0AP03	
---------------	--



3WA9111-0BA21

Mechanical ON/OFF Button Locking Device with Padlock

- 2 transparent covers for padlock installation, 2 covers with 6.35(1) mm holes for screwdriver activation
 - 2 carriers for 3SB safety lock
 - Without safety lock
 - CES brand lock
 - IKON brand lock
- The padlock must be supplied by the customer.

3WA9111-0BA21	
3WA9111-0BA22	
3WA9111-0BA23	

3WA Open Type Switch Communication Options

CubicleBUS Modules¹⁾

- IOM230 digital input-output module (2 inputs - 3 outputs)
- IOM350 digital input-output module (3 inputs - 5 outputs)
- ZSI200 (Zone Selective Interlocking) Selective protection module

3WA9111-0EC11	
3WA9111-0EC12	
3WA9111-0EC10	



3WA9111-0EC11

Hardware Addition and Spare Parts

- COM190 PROFINET IO/Modbus TCP communication module COM150
- Modbus RTO communication module
- Switch position sensor BSS200 for ETU600

3WA9111-0EC13	
3WA9111-0EC15	
3WA9111-0EC40	



3WA9111-0EC13

All communication components such as CubicleBUS modules and measuring functions are used with the ETU600 Ready4com opening units.

You can request the **SENTRON Handbook for communication solutions** from callcenter.tr@siemens.com.

SENTRON protection devices

Accessories for 3WA open type switches



SENTRON WA OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A NEW

Explanations	Order Number
--------------	--------------

Accessories that can be added when ordering or afterwards

External current transformer for neutral conductor

Residual current circuit breaker or current transformer for neutral conductor protection ¹⁾

Size I	3WA9111-0AA21	
Size II	3WA9111-0AA22	
Size III	3WA9111-0AA23	

Residual current circuit breaker or current transformer for neutral conductor protection (with Copper Busbar Connector) ¹⁾

Size I	3WA9111-0AA31	
Size II	3WA9111-0AA32	
Size III	3WA9111-0AA33	

¹⁾4 Pole and internal current transformer for neutral protection in the switch comes as standard.

Rated operating current module*

Possibility to reduce the rated current thanks to the rated operating current module

	Rated current In (A)	Standard current module	Unit Price	Soil leakage protected current module	Unit Price
For sizes I and II	250	3WA9111-0EB02		3WA9111-0EX02	
	315	3WA9111-0EB03		3WA9111-0EX03	
	400	3WA9111-0EB04		3WA9111-0EX04	
	500	3WA9111-0EB05		3WA9111-0EX05	
	630	3WA9111-0EB06		3WA9111-0EX06	
	800	3WA9111-0EB08		3WA9111-0EX08	
For sizes I and II and III	1000	3WA9111-0EB10		3WA9111-0EX10	
	1250	3WA9111-0EB12		3WA9111-0EX12	
	1600	3WA9111-0EB16		3WA9111-0EX16	
	2000	3WA9111-0EB20		3WA9111-0EX20	
For sizes II and III	2500	3WA9111-0EB25		3WA9111-0EX25	
	3200	3WA9111-0EB32		3WA9111-0EX32	
For Size III	4000	3WA9111-0EB40		3WA9111-0EX40	
	5000	3WA9111-0EB50		3WA9111-0EX50	
	6300	3WA9111-0EB63		3WA9111-0EX63	

* See pages 86-90 for switch selection.

3WA The module supplied with open-type switches corresponds the maximum rated current.

Overview of electronic trip units

Measured values; Measurements that can be made according to IEC 60364-8-1 standards

Tip		Current Measurement	PMF - I Energy Efficiency	PMF - II Basic Energy Imaging	PMF - III Advanced Energy Monitoring
Active power	P	-	-	✓	✓
Reactive power	Q	-	-	✓	✓
Visible power	S	-	-	✓	✓
Active energy	E _a	-	✓	✓	✓
Reactive energy	E _r	-	-	✓	✓
Visible energy	E _{ap}	-	-	✓	✓
Frequency	f	-	-	✓	✓
Phase current	I	✓	✓	✓	✓
Neutral current	I _N	✓	✓	✓	✓
Voltage	U _{LL} ve U _{LN}	-	✓	✓	✓
Power factor	PF	-	-	✓	✓
Total harmonic distortion distortion (current-voltage)	THD _U ve THD _I	-	-	-	✓

SENTRON Protection Devices

3WL Open Type Switches

SENTRON WL 3 POLE OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

Rated operating short-circuit tripping capacity $I_{cs}=I_{cu}$ Rated operating voltage AC 690 V (1000 V optional) Fixed and withdrawable type with 3 and 4 poles

Rated operating current 630 - 6300 A

3 sizes with 5 types of short circuit opening capacity (55, 66, 80, 100 and 150 kA)

Up to 1600 A at 440 V AC with a structure width of 400 mm Possibility to be loaded with rated current up to 55⁽¹⁾

Modular structure, Reset button, Coded control plug, Main contact wear indicator,

Ready-to-close indicator and ignition standard

Trip warning contact (optional)

Optional trip units:

ETU15B: LI Protection

L: IR= 0.5 ... 1.0 x I_n

I: li= 2...8 x I_n

ETU25B: LSI Protection

L: IR= 0.4 ... 1.0 x I_n

S: Id= 1.25 ... 12 x I_n ; td= 0 ... 400msec I: li = $\geq 20 I_n$

Possibility to reduce the rated current thanks to the rated operating current module; possibility to ask for the cause of tripping; possibility to test the electronic tripping device; sensitivity to phase loss.

ETU27B:

LSING Protection (current transformer for neutral protection must be ordered separately) Same as ETU25B, plus neutral current protection can be switched on and off and protection against earth leakage by vector summation of currents

ETU45B:

LSIN(G) Protection (current transformer for neutral protection must be ordered separately) Same as ETU28B, plus possibility to set trip class, thermal memory for motor outputs; neutral protection can be set and switched on and off; modular residual current protection module (optional); measuring function plus for communication connection and possibility to add external CubicleBUS modules (optional); LCD display (optional)



3WL fixed type switch



3WL withdrawable type switch

Size	Maximum Rated Current In max (A)	Rated Current In (A)	kA $I_{cs}=I_{cu}$	3-pole open type power switch ³⁾ Order No
------	----------------------------------	----------------------	--------------------	--

Fixed mounted type 3-pole switches (55 and 66 kA, price with ETU15B Trip unit)

I	630	630	55	3WL1106-2 -- 32	----
I	800	800	55	3WL1108-2 -- 32	----
I	1000	1000	55	3WL1110-2 -- 32	----
I	1250	1250	55	3WL1112-2 -- 32	----
I	1600	1600	55	3WL1116-2 -- 32	----
I	2000	2000	55	3WL1120-2 -- 32	----
I	630	630	66	3WL1106-3 -- 32	----
I	800	800	66	3WL1108-3 -- 32	----
I	1000	1000	66	3WL1110-3 -- 32	----
I	1250	1250	66	3WL1112-3 -- 32	----
I	1600	1600	66	3WL1116-3 -- 32	----
I	2000	2000	66	3WL1120-3 -- 32	----
II	2500	2500	66	3WL1225-2 -- 32	----
II	3200	3200	66	3WL1232-2 -- 32	----
II	4000	4000	66	3WL1240-2 -- 31	----

Drawer type 3-pole switches (55 and 66 kA, price with ETU15B unit)

I	630	630	55	3WL1106-2 -- 36	----
I	800	800	55	3WL1108-2 -- 36	----
I	1000	1000	55	3WL1110-2 -- 36	----
I	1250	1250	55	3WL1112-2 -- 36	----
I	1600	1600	55	3WL1116-2 -- 36	----
I	2000	2000	55	3WL1120-2 -- 36	----
I	630	630	66	3WL1106-3 -- 36	----
I	800	800	66	3WL1108-3 -- 36	----
I	1000	1000	66	3WL1110-3 -- 36	----
I	1250	1250	66	3WL1112-3 -- 36	----
I	1600	1600	66	3WL1116-3 -- 36	----
I	2000	2000	66	3WL1120-3 -- 36	----
II	2500	2500	66	3WL1225-2 -- 36	----
II	3200	3200	66	3WL1232-2 -- 36	----
II	4000	4000	66	3WL1240-2 -- 37	----

Price differences for other types of electronic overcurrent tripping units (ETU)

Type without earth leakage protection

ETU15B : LI with protection function³⁾

ETU25B : LSI with Protection function

ETU45B : LSIN with Protection function

ETU45B : LSIN with Protection with 4 line LCD display

Earth leakage protected type³⁾

ETU27B : LSING Protection function

ETU45B : LSING with protection function

ETU45B : LSING Protected 4 line LCD display

Order Number Additions Additional Price

BB		
CB		
EB		
FB		
DG		
EG		
FG		
1 A A 2		

Standard order number addition (for order number additions with assembly, please refer to page 98.) Manual drive with front cocking spring mechanical closure 2N0 + 2NC auxiliary contact

Footnotes

1) Size III power switches cannot be ordered with the ETU15B electronic trip unit.

2) The neutral conductor current transformer for residual current protection cannot be ordered separately.

3) Power switches between 630-3200 A have horizontal busbar connection as standard, 4000 A size II power switches have vertical busbar connection as standard. For 150 kA breaking capacities, please consult our sales representatives.

SENTRON protection devices

3WL open type switches

SENTRON WL 3 POLE OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A



Size	Maximum Rated Current In max (A)	Rated Current In(A)	kA Ics=Icu	3-pole open type power switch ³⁾ Order No
------	----------------------------------	---------------------	------------	---

Fixed mounted type 3-pole switches (80 and 100 kA, price with ETU15B Trip unit)

I	630	630	85	3WL1106-4 -- 32	----
I	800	800	85	3WL1108-4 -- 32	----
I	1000	1000	85	3WL1110-4 -- 32	----
I	1250	1250	85	3WL1112-4 -- 32	----
I	1600	1600	85	3WL1116-4 -- 32	----
I	2000	2000	85	3WL1120-4 -- 32	----
II	2500	2500	80	3WL1225-3 -- 32	----
II	3200	3200	80	3WL1232-3 -- 32	----
II	4000	4000	80	3WL1240-3 -- 31	----
II	800	800	100	3WL1208-4 -- 32	----
II	1000	1000	100	3WL1210-4 -- 32	----
II	1250	1250	100	3WL1212-4 -- 32	----
II	1600	1600	100	3WL1216-4 -- 32	----
II	2000	2000	100	3WL1220-4 -- 32	----
II	2500	2500	100	3WL1225-4 -- 32	----
II	3200	3200	100	3WL1232-4 -- 32	----
II	4000	4000	100	3WL1240-4 -- 31	----
III	4000	4000	100	3WL1340-4 -- 32 ³⁾	----
III	5000	5000	100	3WL1350-4 -- 32 ³⁾	----
III	6300	6300	100	3WL1363-4 -- 31 ³⁾	----



3WL fixed type switch

³⁾ Size III power switches cannot be ordered with the ETU15B electronic trip unit.

Drawer type 3-pole switches (including 80 and 100 kA drawer, price with ETU15B Trip unit)

I	630	630	85	3WL1106-4 -- 36	----
I	800	800	85	3WL1108-4 -- 36	----
I	1000	1000	85	3WL1110-4 -- 36	----
I	1250	1250	85	3WL1112-4 -- 36	----
I	1600	1600	85	3WL1116-4 -- 36	----
I	2000	2000	85	3WL1120-4 -- 36	----
II	2500	2500	80	3WL1225-3 -- 36	----
II	3200	3200	80	3WL1232-3 -- 36	----
II	4000	4000	100	3WL1240-3 -- 37	----
II	800	800	100	3WL1208-4 -- 36	----
II	1000	1000	100	3WL1210-4 -- 36	----
II	1250	1250	100	3WL1212-4 -- 36	----
II	1600	1600	100	3WL1216-4 -- 36	----
II	2000	2000	100	3WL1220-4 -- 36	----
II	2500	2500	100	3WL1225-4 -- 36	----
II	3200	3200	100	3WL1232-4 -- 36	----
II	4000	4000	100	3WL1240-4 -- 37	----
III	4000	4000	100	3WL1340-4 -- 36 ³⁾	----
III	5000	5000	100	3WL1350-4 -- 36 ³⁾	----
III	6300	6300	100	3WL1363-4 -- 37 ³⁾	----



3WL withdrawable type switch

³⁾ Size III power switches cannot be ordered with the ETU15B electronic trip unit.

Price differences for other types of electronic overcurrent tripping units (ETU)

	Order No	Additions
Type without earth leakage protection		
ETU15B : LI with protection function ¹⁾	BB	
ETU25B : With LSI Protection function	CB	
ETU45B : LSIN with protection function	EB	
ETU45B: LSIN Protection 4 line LCD display	FB	
Earth leakage protected type²⁾		
ETU27B : LSING with protection function	DG	
ETU45B : LSING with protection function	EG	
ETU45B: LSING Protected 4 line LCD display	FG	

Standard order number addition (for order number additions with assembly, please refer to page 98).
2N0+ 2NC with front cocking spring manual drive mechanical closure

(1) (2) (3) Please p. 96 for footnotes.

For 150 kA cutting capacities, you can consult our sales representatives.

1AA2

SENTRON protection devices

Accessories for 3WL open type switches

SENTRON WL OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

Fixed and Drawer Type Order No. additions

Select the first 12 digits of the switch code from pages 88-91

Order No. Addition

3WL 1... -



Motor Drive Mechanism



Tripping Relay



Low Voltage Coil

Drive	Manual operation with pre-cocking spring (Mechanical closure)	110V AC/110V DC 230V AC/220V DC	1 2 3			
	Hand drive with front cocking spring (Mechanical and electrical closure)	208-240 V AC/220-250V DC 110-127 V AC/110-125V DC 24V DC	4 5 6			
1st Yard. Relay	Switching Relay "f" F1 can be locked against switch closure thanks to its ability to be continuously energized	yok 24V DC 30V DC 48V DC 60V DC 110V AC/110V DC 230V AC/220V DC		A B C D E F G		
2nd Yard. Relay	Switching Relay "f" F2 can be locked against switch closure thanks to its ability to be continuously energized	yok 24V DC 30V DC 48V DC 60V DC 110V AC/110V DC 230V AC/220V DC		A B C D E F G		
	Low Voltage Relay "r" F3 Adjustable to 0 or 200 ms delay	24V DC 30V DC 48V DC 60V DC 110-127V AC/110-125V DC 208-240V AC/220-250V DC 380-415V AC		J K L U M N P		
	Delayed Undervoltage Relay "r" F4 0.2 sec-3.2 sec delay adjustable	48V DC 110-127V AC/110-125V DC 208-240V AC/220-250V DC 380-415V AC		Q R S T		
Auxiliary Contacts	1. Auxiliary contact block 2. Auxiliary contact block	2NO + 2 NC 4NO + 4 NC 6NO + 2 NC 5NO + 3 NC			2 4 7 8	

¹⁾the required accessories must be added to the standard switch price (P.96-97)

²⁾For withdrawable switches, the control circuit socket price (3WL9111-OAB08-0AA0) for the number of control plugs for the withdrawable switch must be added to the price. For the required number of control circuit sockets see. Page 204.

Accessories that can be added when ordering or afterwards

Explanations	Old Order Number ³⁾	Order Number	
Motor Mechanism (excluding control plug, socket and closing coil)	208-240V AC/220-250V DC 110-127V AC/110-125V DC	3WL9111-0AF04-0AA0** 3WL9111-0AF03-0AA0**	3WA9111-0AF06** 3WA9111-0AF05**
Closing or Opening Coil	230V AC/220V DC 110V AC/110V DC	3WL9111-0AD06-0AA0* 3WL9111-0AD05-0AA0*	3WA9111-0AD06* 3WA9111-0AD05*
Low Voltage Coil Instantaneous/0.2sec delay type	208-240V AC/220-250V DC 380-415V AC	3WL9111-0AE05-0AA0** 3WL9111-0AE06-0AA0**	3WA9111-0AE06** 3WA9111-0AE07**
Low Voltage Coil 0.2sec-3.2sec delay type	208-240V AC/220-250V DC 380-415V AC	3WL9111-0AE13-0AA0** 3WL9111-0AE14-0AA0**	3WA9111-0AE16** 3WA9111-0AE17**
Electric ON Button			3WL9111-0AJ02-0AA0***
Additional Contact (2NO+2NC)			3WL9111-0AG01-0AA0**
Control circuit socket-outlet for fixed and withdrawable switches (X5, X7, X8)		3WL9111-0AB01-0AA0	3WA9111-0AB01
Control circuit plug for fixed and withdrawable switches (X5, X7, X8)		3WL9111-0AB03-0AA0	3WA9111-0AB03
Coding for the control circuit plug of a fixed type switch (X5, X7, X8)		3WL9111-0AB07-0AA0	3WA9111-0AB07
Control circuit intermediate socket for pull-out switch		3WL9111-0AB08-0AA0	3WA9111-0AB08
Control plug and intermediate socket for pull-out switch as one piece			3WL9111-0AB18-0AA0
Contact ready to close			3WL9111-0AH01-0AA0*
Trip denunciation ignition			3WL9111-0AH14-0AA0***
Spring installed contact			3WL9111-0AH08-0AA0***
On-off counter			3WL9111-0AH07-0AA0
Door carving frame			3WL9111-0AP01-0AA0

* X6 control circuit plug and socket are included in the switch as standard. It is not necessary to order additional control circuit plug and socket for the F1 opening coil, Y1 closing coil and S20 ready-to-close contact (see switch connection diagram: page 204).

** X5 control circuit plug and socket for motor, F3 undervoltage coil, F2 trip coil and additional auxiliary contact must be ordered separately.

*** X7 control circuit plug and socket is required for S24 trip warning contact, S10 electrical on button and S21 spring installed contact.

3) Products defined with old order numbers exactly the same connection structure with new products. Orders to the factory will be made with new codes.



3WL9111-0AB03-0AA0



3WL9111-0AB08-0AA0

SENTRON protection devices

Accessories for 3WL open type switches



SENTRON WL OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

Z Options for Fixed and Drawer Type Switches

After adding "-Z" to the end of the switch order full code, the related short codes must be listed.

Explanations	Short Code	Order codes with "-Z"	
		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	- Z
		3WL -	↑
		and additional shortcode(s)	
		□□□+ . . . + . . .	"option signal"
			- Z
5 Step opening closing counter¹⁾	C 0 1	▶	□ □ □
Electrical ON button²⁾ Only possible with switch with closing coil	C 1 1		□ □ □
Contact ready to close (S20) 1 NO contact	C 2 2	▶	□ □ □
Trip warning contact³⁾ 1 inverter contact	K 0 7		□ □ □
(BSS= Breaker Status Sensor) Breaker Data Sensor*	F 0 1	▶	□ □ □
PROFIBUS Communication connection+ BSS module^{3)*}	F 0 2		□ □ □
Plus* with measuring function without PROFIBUS communication connection⁴⁾	F 0 5	▶	□ □ □
Modbus RTU Communication link+ BSS module*	F 1 2		□ □ □
PROFINET IO/ Modbus TCP Communication connection+ BSS module *	F 3 5	▶	□ □ □
Door carving frame	T 4 0		□ □ □
Mutual mechanical interlock module (interlock module with 2 m bowden cable)			
Fixed type switch	S 5 5	▶	□ □ □
For switch with drawer including drawer	R 5 5	▶	□ □ □
for the switch drawer	R 5 6	▶	□ □ □
For switch with drawer excluding drawer	R 5 7	▶	□ □ □
Position indication contact for pull-out switch	R 1 5		□ □ □
Slide curtain (Shutter) padlock for withdrawable switch can be fitted	R 2 1	▶	□ □ □
EMV-Filter Filter for damping of direct current pulse noise (e.g. with frequency rectifiers Noises generated in IT-Networks).	F 3 1		□ □ □
Spring installed contact²⁾ 1 NO contact	C 2 0	▶	□ □ □
Built-in neutral current transformer for 4-pole switch	F 2 3		□ □ □

¹⁾ Only possible with switches with motor drive mechanism.

²⁾ It is not possible to use with communicating switches.

³⁾ If the switch drawer and the switch with drawer are ordered separately, option Z-F02 only needs to be specified for the switch with drawer. only needs to be specified for the switch with drawer.

⁴⁾ External voltage transformers are for the connection of the measuring function PLUS.

* Can be used in open type switches with ETU45B feature.

SENTRON protection devices

Accessories for 3WL open type switches

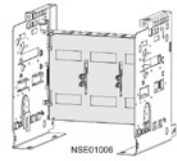


SENTRON WL OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A

Explanations	Order Number
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Accessories that can be added when ordering or afterwards*

3 Pole 3WL open type switch with drawer and drawer switch conversion set ¹⁾



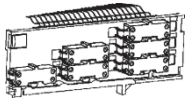
3WL911-0AP0-0AA0

	Size		
Drawer 1000 A	I	3WL9211-1AC00-0AA1	
Drawer 1600 A	I	3WL9211-2AC00-0AA1	
Drawer 2000 A ²⁾	I	3WL9211-3AC00-0AA1	
Drawer 2000 A	II	3WL9212-3AC00-0AA1	
Drawer 2500 A	II	3WL9212-4AC00-0AA1	
Drawer 3200 A	II	3WL9212-5AC00-0AA1	
Drawer 4000 A	II	3WL9212-6AD00-0AA1	
Drawer 4000 A	III	3WL9213-6AC00-0AA1	
Drawer 5000 A	III	3WL9213-7AC00-0AA1	
Drawer 6300 A	III	3WL9213-8AD00-0AA1	
Conversion kit for withdrawable switch	I	3WL9111-0BC11-0AA0	
Conversion kit for withdrawable switch	II	3WL9111-0BC12-0AA0	
Conversion kit for withdrawable switch	III	3WL9111-0BC13-0AA0	

* 3WL9111-0AB08-0AA0 or 3WL9111-0AB18-0AA0 must be ordered separately for the number of control circuit sockets.

1) For 4 Pole switch drawer accessories please consult our sales department.

2) It is used in switches with size 1 and 85kA breaking capacity, 630-2000A rated current and size I switches with 2000A rated current.



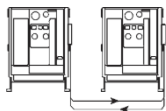
3WL9111-0AH12-0AA0

Position indication contact for 3WL withdrawable switch

1. Block (3 microswitches)	3WL9111-0AH11-0AA0
2. Block (6 micro switches)	3WL9111-0AH12-0AA0

Shutter for 3WL withdrawable switch, padlock can be fitted. For 3-pole switch

Size I	3WL9111-0AP04-0AA0
Size II	3WL9111-0AP06-0AA0
Size III	3WL9111-0AP07-0AA0



3WL9111-0BB21-0AA0

Mechanical Interlocking Modules (One required for each switch.)

Mechanical interlocking module (for fixed type switch)	3WL9111-0BB21-0AA0 ^{1) 2)}
Mechanical interlocking module (for withdrawable type switch)	3WL9111-0BB24-0AA0 ^{1) 2)}
Additional bowden cable for mechanical interlocking (2 meters)	3WL9111-0BB45-0AA0 ²⁾
Additional bowden cable for mechanical interlocking (3 meters)	3WL9111-0BB46-0AA0 ²⁾
Additional bowden cable for mechanical locking (4.5 meters)	3WL9111-0BB47-0AA0 ²⁾
Adapter piece for size III pull-out switch	3WL9111-0BB30-0AA0

1) 2m bowden cable included

2) To lock the 3 switches together, one additional bowden cable for each switch must be ordered separately.



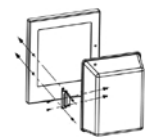
3WL9111-0AT45-0AA0

Sealable cover for 3WL electronic trip units

For ETU15B, ETU25B, ETU27B and ETU 45	3WL9111-0AT45-0AA0
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3WL protection cover (IP55)

Not used in combination with door carving frame, the door can be removed and opened from both sides	3WL9111-0AP02-0AA0
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3WL9111-0AP02-0AA0

Mechanical ON/OFF Button Locking Device with Padlock

¹⁾ 2 pcs transparent for attaching padlocks cover, 2 covers with 6.35 mm holes for screwdriver drive 2 carriers for 3SB safety lock	Without safety lock	3WL9111-0BA21-0AA0
	CES brand lock	3WL9111-0BA22-0AA0
	IKON brand lock	3WL9111-0BA24-0AA0

1) Padlock must be supplied by the customer.



3WL911-0BA21-0AA0

SENTRON protection devices

Accessories for 3WL open type switches



SENTRON WL OPEN TYPE AUTOMATIC SWITCHES UP TO 6300 A		
Explanations	Order Number	

Accessories that can be added when ordering or afterwards

Residual current circuit breaker or current transformer for neutral conductor protection

Size I	3WL9111-0AA21-0AA0	
Size II	3WL9111-0AA22-0AA0	
Size III	3WL9111-0AA23-0AA0	

Current transformer for residual current circuit breaker or neutral conductor protection (with Copper Busbar Connector)

Size I	3WL9111-0AA31-0AA0	
Size II	3WL9111-0AA32-0AA0	
Size III	3WL9111-0AA33-0AA0	

CubicleBUS Modules¹

Digital output module with rotary coding switch, relay output	3WL9111-0AT26-0AA0	
Digital output module, adjustable, relay output	3WL9111-0AT20-0AA0	
Digital input module	3WL9111-0AT27-0AA0	
Analog output module	3WL9111-0AT23-0AA0	
ZSI (Zone Selective Interlocking) Selective protection module	3WL9111-0AT21-0AA0	

¹) All communication components such as CubicleBUS and measuring functions are used with the ETU45B, ETU55B and ETU76B trip units.

Voltage Transformer

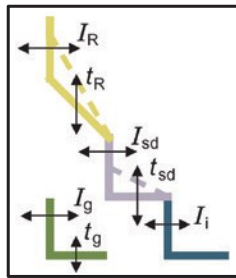
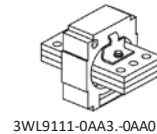
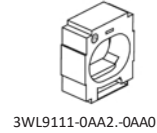
3-pole For SENTRON WL with 380-690 V / 100 V, CLASS 0.5 Plus measuring function	3WL9111-0BB68-0AA0	
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Hardware Addition and Spare Parts

COM 15 Profibus Module Switch	3WL9111-0AT15-0AA0	
Status Sensor (BSS)	3WL9111-0AT16-0AA0	
Voltage Transformerless Plus Measurement Function*	3WL9111-0AT04-0AA0	

* Voltage transformer must be ordered separately.

Overview of overcurrent tripper types



Tip	ETU15B	ETU25B	ETU27B	ETU45B	ETU76B
	ETU15B	ETU25B	ETU27B	ETU45B	ETU76B

Tip

Overcurrent protection
Short-time delayed short-circuit protection
Instantaneous non-delayed short-circuit release
Neutral conductor protection
Earth leakage protection
ZSS
LCD (with display) 4 lines
LCD graphic display
Communication via Profibus DP Measuring
Parameter sequence can be changed with switch
Parameters freely programmable

(L)	✓	✓	✓	✓	✓
(S)	--	✓	✓	✓	✓
(i)	✓	✓	✓	✓	✓
(N)	--	--	✓	✓	✓
(G)	--	--	✓	☐	☐
	--	--	--	☐	☐
	--	--	--	☐	--
	--	--	--	--	✓
	--	--	--	☐	☐
	--	--	--	--	✓
	--	--	--	--	✓

SENTRON switching devices

ATC6300 automatic mains generator control device

SENTRON PROTECTION, SWITCHING and MEASUREMENT DEVICES



SENTRON ATC 6300

SENTRON ATC 6300 Automatic Mains Generator Controller

The SENTRON ATC 6300 device, in combination with two motorized switches or a remote transfer switch (RTSE), forms an automatic mains generator transfer system. With this device, automatic or manual transfer can be made between two supply sources in your low voltage energy distribution system.

- 128 x 80 pixel, backlit LCD display for alarms, events and measured values
- Easy parameter setting from the front panel or with Siemens powerconfig software*
- Versatile use as you can choose between energy sources such as Mains-Grid, Mains-Generator or Generator-Generator
- Ability to connect to energy management systems via MODBUS RTU and MODBUS TCP
- RS 485 and Ethernet communication with optional modules

Compatible with the following SENTRON products:

- SENTRON 3VA compact power switches
- SENTRON 3WA/3WL open type power switches
- SENTRON 3WT open type power switches

Material Type	Order No	Unit Price TL	Min. Order quantity
SENTRON ATC 6300	3KC9000-8TL40		

- Compact enclosure type 144x144x43.3 mm
- Screw terminal connection
- AC/DC voltage supply
- AC 100...240V, 45...65Hz
- DC 7.5...33V
- Nominal voltage setting range : AC100...480 V



SENTRON ATC 6500

SENTRON ATC 6500 Automatic Mains Generator Controller

In addition to the features of the ATC 63000, the Sentron ATC 6500 has the following features:

- Ability to control up to three switches
- Automatic load shedding management
- Possibility to communicate with integrated RS 485 interface
- 10-15 days of operation without supply voltage
- Number of recordable events 250

For Sentron ATC 6500 price information, please contact our sales department.

* Software version must be 3.10 and above.

The freely available powerconfig software can also be used for parameterization.

Link: <http://support.automation.siemens.com/WWW/view/en/63452759>

SENTRON switching devices

ATC3100 automatic mains generator control device

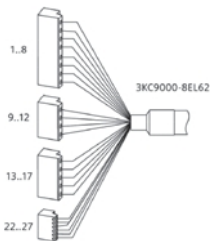
SENTRON PROTECTION, SWITCHING and MEASUREMENT DEVICES

SENTRON ATC 3100 Automatic Mains Generator Controller



3KC9000-8EL10

- Microprocessor controlled automatic transfer device
- 2 measurement inputs for neutral voltage of three phases +
- Adjustable undervoltage range, transfer and return delay time
- 10 - LED status indicator
- 4 - key membrane keypad
- Suitable for motorized power switches
- Output signal for generator start and stop
- Compact enclosure type 171.2 x 131.2 x 99
- Screw terminal connection
- AC/DC voltage supply
- 230 / 400 VAC; 50/60 Hz power supply
- The 24VDC auxiliary voltage supply is only required when the ATC3100 is operating in generator mode.
- Overvoltage, undervoltage and phase loss protection
- Fire alarm signal monitoring



3KC9000-8EL62

Material Type	Order No	Min. Order quantity
ATC3100 control device	3KC9000-8EL10	1
ATC3100 device compact/open type power Connection cable and socket to switch (optional)	3KC9000-8EL62	1

Materials required for the use of SENTRON ATC6300 and ATC3100 Mains Generator Automatic Control Device with Siemens switches

Switch Type	Switch Type
3VA	Auxiliary contact (for locking) "1 ENV"
	Auxiliary contact (Switch position) "1 ENV"
	Alarm contact (trip information) "1 ENV"
	Motor mechanism
3WT8	Auxiliary contact (for locking) "1 NC"
	Auxiliary contact (Switch position) "1 NO"
	Alarm contact (trip information) "1 NO"
	Opening coil F1
	Closing coil Y1
	Motor mechanism

Materials Required for Use of 3WT Switches with Mains Generator Automatic Transfer Panel

Since the motorized 3WT Switch codes on page 103 include the motor, the opening coil, the ready-to-close contact and the trip contact, no additional accessories need to be ordered.

Materials Required for Use of 3WL / 3WA Switches with Mains Generator Automatic Transfer Panel

Explanations	New Order Number *	Order Number	Min. Order quantity	
Motor Mechanism	208-240V AC/220-250V DC	3WA9111-0AF06	3WL9111-0AF04-0AA0	1
Closing Coil	230V AC/220V DC	3WA9111-0AD06	3WL9111-0AD06-0AA0	1
Decoil Coil	230V AC/220V DC	3WA9111-0AD06	3WL9111-0AD06-0AA0	1
Contact ready to close			3WL9111-0AH01-0AA0*	1
Trip denunciation ignition			3WL9111-0AH14-0AA0***	1
Control circuit socket-outlet for fixed and withdrawable switches (X5, X7, X8)		3WA9111-0AB01	3WL9111-0AB01-0AA0	2
Control circuit plug for fixed and withdrawable switches (X5, X7, X8)		3WA9111-0AB03	3WL9111-0AB03-0AA0	2
Coding for the control circuit plug of a fixed type switch (X5, X7, X8)		3WA9111-0AB07	3WL9111-0AB07-0AA0	2

Note: Total price to be added to each selected switch:

* Products defined with new order numbers have exactly the same connection structure as the old products. Orders to the factory will be made with the new codes.

*** X7 control circuit plug and socket is required for S24 trip warning contact, S10 electrical on button and S21 spring installed contact.

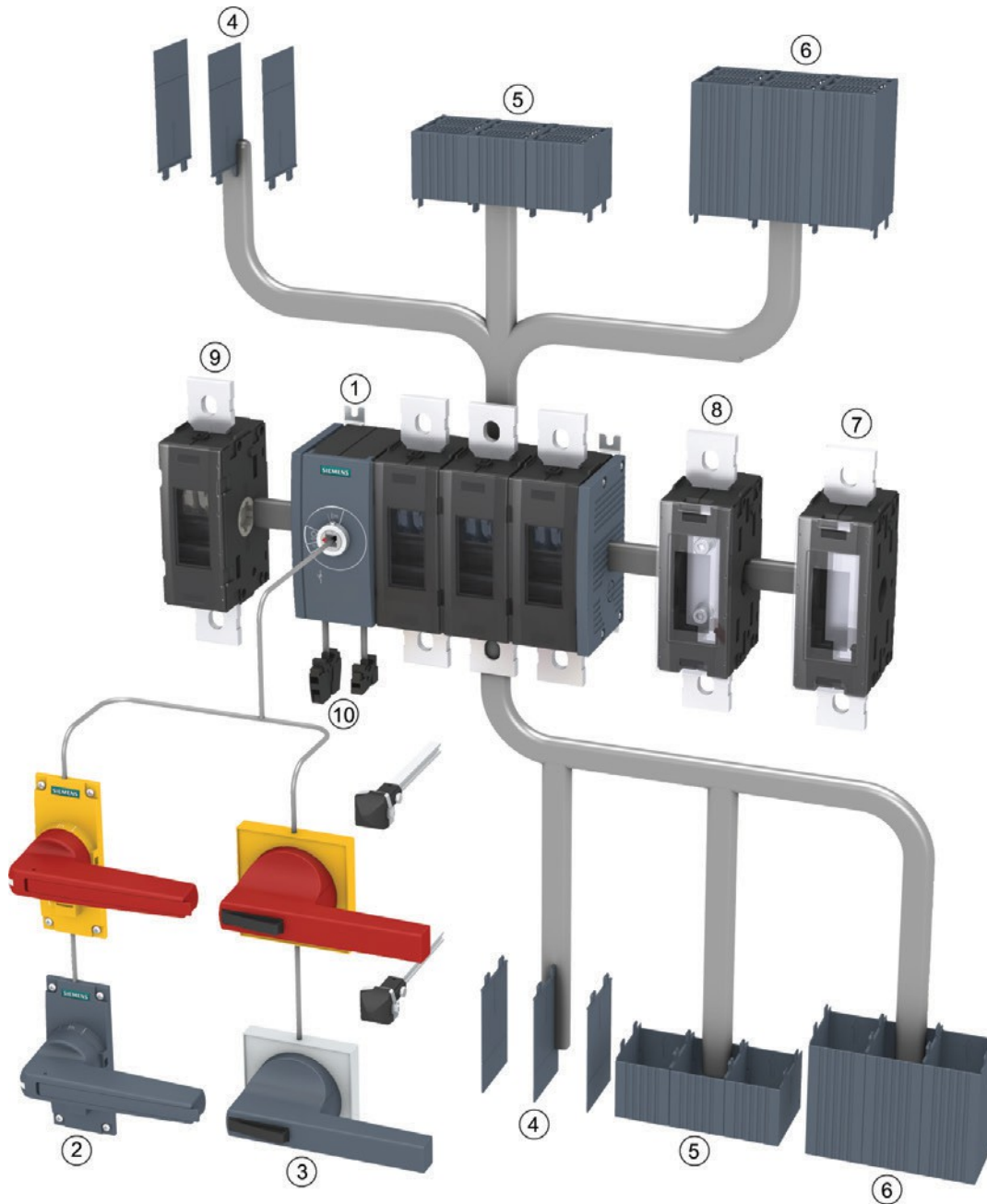
SENTRON switching devices

3KD fuseless load breakers

3KD LOAD BREAKERS

3KD LOAD CUTTER SIZE 3 to SIZE 5

Main Components and Accessories



- ① 3KD load breaker
- ② Direct drive arm
- ③ Door drive mechanism
- ④ Phase separator plate
- ⑤ Terminal cover short type

- ⑥ Terminal cover long type
- ⑦ N/PE terminal block (with fixed bridge)
- ⑧ Neutral terminal block (with detachable feed-through terminal block)
- ⑨ 4th contact element
- ⑩ Auxiliary contact element

SENTRON switching devices

3KD fuseless load breakers

3KD LOAD BREAKERS

Material Type	Size	Rated Current (A)	Order No.		Min. Order quantity
			Left Hand Drive	Center Drive	



3KD Load breaker (without fuse) excluding 3-pole drive arm: IEC 60947-1, IEC 60947-3

Can switch on and off under load.

Insulation voltage : 1000 VAC

Classes of use :
AC21A, DC21A
AC22A, DC22A
AC23A, DC23A

rated operating voltage 690VAC (50/60Hz)

terminal connection covers must be ordered separately for flat connection types.

Size	Rated Current (A)	Order No. (Left Hand Drive)	Order No. (Center Drive)	Min. Order quantity
2	80	3KD2830-ONE10-0	3KD2830-ONE20-0	1
	100	3KD3030-ONE10-0	3KD3030-ONE20-0	1
	125	3KD3230-ONE10-0	3KD3230-ONE20-0	1
	160	3KD3430-ONE10-0	3KD3430-ONE20-0	1
	200	3KD3630-ONE10-0	3KD3630-ONE20-0	1
3	200	3KD3630-OPE10-0	3KD3630-OPE20-0	1
	250	3KD3830-OPE10-0	3KD3830-OPE20-0	1
	315	3KD4030-OPE10-0	3KD4030-OPE20-0	1
	400	3KD4230-OPE10-0	3KD4230-OPE20-0	1
4	500	3KD4430-OQE10-0	3KD4430-OQE20-0	1
	630	3KD4630-OQE10-0	3KD4630-OQE20-0	1
	800	3KD4830-OQE10-0	3KD4830-OQE20-0	1
5	1000	3KD5030-ORE10-0	3KD5030-ORE20-0	1
	1250	3KD5230-ORE10-0	3KD5230-ORE20-0	1
	1600	3KD5430-ORE10-0	3KD5430-ORE20-0	1

Note: You can contact our sales offices for different nominal current values.

Material Type	Order No	Min. Order quantity
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3KD LOAD ACCESSORIES

4th Pole Element (Switched pole)

For size 2; 3KD.....N
for Size 3; 3KD.....P
For size 4; 3KD.....Q
For size 5; 3KD.....R

Order No	Min. Order quantity
3KD9205-0	1
3KD9305-0	1
3KD9405-0	1
3KD9505-0	1

Neutral Module (Detachable feed-through terminal block) Flat Connection

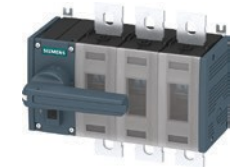
For size 2; 3KD.....N
For size 3; 3KD.....P
For size 4; 3KD.....Q
For size 5; 3KD.....R

Order No	Min. Order quantity
3KD9206-0	1
3KD9306-0	1
3KD9406-0	1
3KD9506-0	1

Auxiliary Contact Module for Size 2

Standard type

Order No	Min. Order quantity
3KD9103-5	1



3KD5230-ORE20-0



3KD3230-ONE10-0



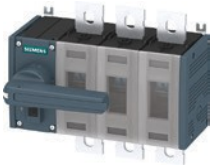
3KD9205-0



3KD9206-0

SENTRON switching devices

Accessories for 3KD fuseless load breakers



3KD LOAD ACCESSORIES

Material Type	Order No	Min. Order quantity
---------------	----------	---------------------

Auxiliary Contact Element for Size 1 and 2



3KD9103-3

1CO	3KD9103-1	1
1CO Contact Element for Solid State Circuits	2) 3KD9103-3	1

Auxiliary Contact Element for sizes 3, 4 and 5

1 NO	3SU1400-1AA10-1BA0	5
1 NC	3SU1400-1AA10-1CA0	5
1 NO+1NC	3SU1400-1AA10-1FA0	1
2 NO	3SU1400-1AA10-1DA0	1
2 NC	3SU1400-1AA10-1EA0	1

²⁾ It is mounted on the drive element.

Drive Arm (Standard type)

Gray (can be fitted with up to 3 padlocks)



3KD9201-1

For size 2; 3KD.....N	3KD9201-1	1
For size 3; 3KD.....P	3KD9301-1	1
For size 4; 3KD.....Q	3KD9401-1	1
For size 5; 3KD.....R	3KD9501-1	1

Yellow / Red (can be fitted with up to 3 padlocks)



3KD9201-2

For size 2; 3KD.....N	3KD9201-2	1
For size 3; 3KD.....P	3KD9301-2	1
For size 4; 3KD.....Q	3KD9401-2	1
For size 5; 3KD.....R	3KD9501-2	1

Door Drive Mechanism Complete 300mm Extension Shaft and Dubbing Part Included Gray (up to 3 padlocks can be fitted)



8UD1171-2AF21

For size 2; 3KD.....N	8UD1171-2AF21	1
For size 3; 3KD.....P	8UD1141-2AF21	1
For size 4; 3KD.....Q	8UD1151-3AF21	1
For size 5; 3KD.....R	8UD1161-4AF21	1

Yellow / Red (can be fitted with up to 3 padlocks)



8UD1171-2AF25

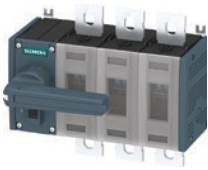
For size 2; 3KD.....N	8UD1171-2AF25	1
for Size 3; 3KD.....P	8UD1141-2AF25	1
For size 4; 3KD.....Q	8UD1151-3AF25	1
For size 5; 3KD.....R	8UD1161-4AF25	1

Extension Shaft 300 mm Length

For size 2/3; 3KD.....N/P	8 x 8 mm	8UC6032	1
For size 4; 3KD.....Q	10 x 10 mm	8UC6033	1
For size 5; 3KD.....R	12 x 12 mm	8UC6034	1

SENTRON switching devices

Accessories for 3KD fuseless load breakers

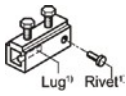


3KD LOAD ACCESSORIES

Material Type	Order No	Min. Order quantity
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Extension Shaft 600 mm Length

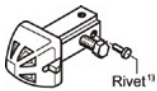
For size 2/3; 3KD.....N/P	8 x 8 mm	8UC6082	1
For size 4; 3KD.....Q	10 x 10 mm	8UC6083	1
For size 5; 3KD.....R	12 x 12 mm	8UC6084	1



8UC6023

Shaft Joining Part

For sizes 1 and 2	8 x 8 mm	8UC6022	1
For sizes 3 and 4	10 x 10 mm	8UC6023	1
For size 5	12 x 12 mm	8UC6024	1



8UC6013

Coupling Spacer

For sizes 1 and 2	8 x 8 mm	8UC6017-2AA	1
For sizes 3 and 4	10 x 10 mm	8UC6013	1
For size 5	12 x 12 mm	8UC6014	1

Phase Separator Plates

For 3 Pole Devices (1 set 6 pcs)

For size 2; 3KD.....N	3KD9108-6	1
For size 3; 3KD.....P	3KD9308-6	1
For size 4; 3KD.....Q	3KD9408-6	1
For size 5; 3KD.....R	3KD9508-6	1

For 4 Pole Devices (1 set of 8 pieces)

For size 2; 3KD.....N	3KD9108-8	1
for Size 3; 3KD.....P	3KD9308-8	1
For size 4; 3KD.....Q	3KD9408-8	1
For size 5; 3KD.....R	3KD9508-8	1



3KD9108-6

Terminal Covers

Standard Type

For 3 Pole Devices (1 set 6 pcs)

For size 2; 3KD.....N	3KD9204-6	1
For size 3; 3KD.....P	3KD9304-6	1
For size 4; 3KD.....Q	3KD9404-6	1
For size 5; 3KD.....R	3KD9504-6	1

Short Type

For 3 Pole Devices (1 set 6 pcs)

For size 3; 3KD.....N	3KD9204-7	1
For size 4; 3KD.....P	3KD9304-7	1
For size 5; 3KD.....Q	3KD9404-7	1



3KD9204-6



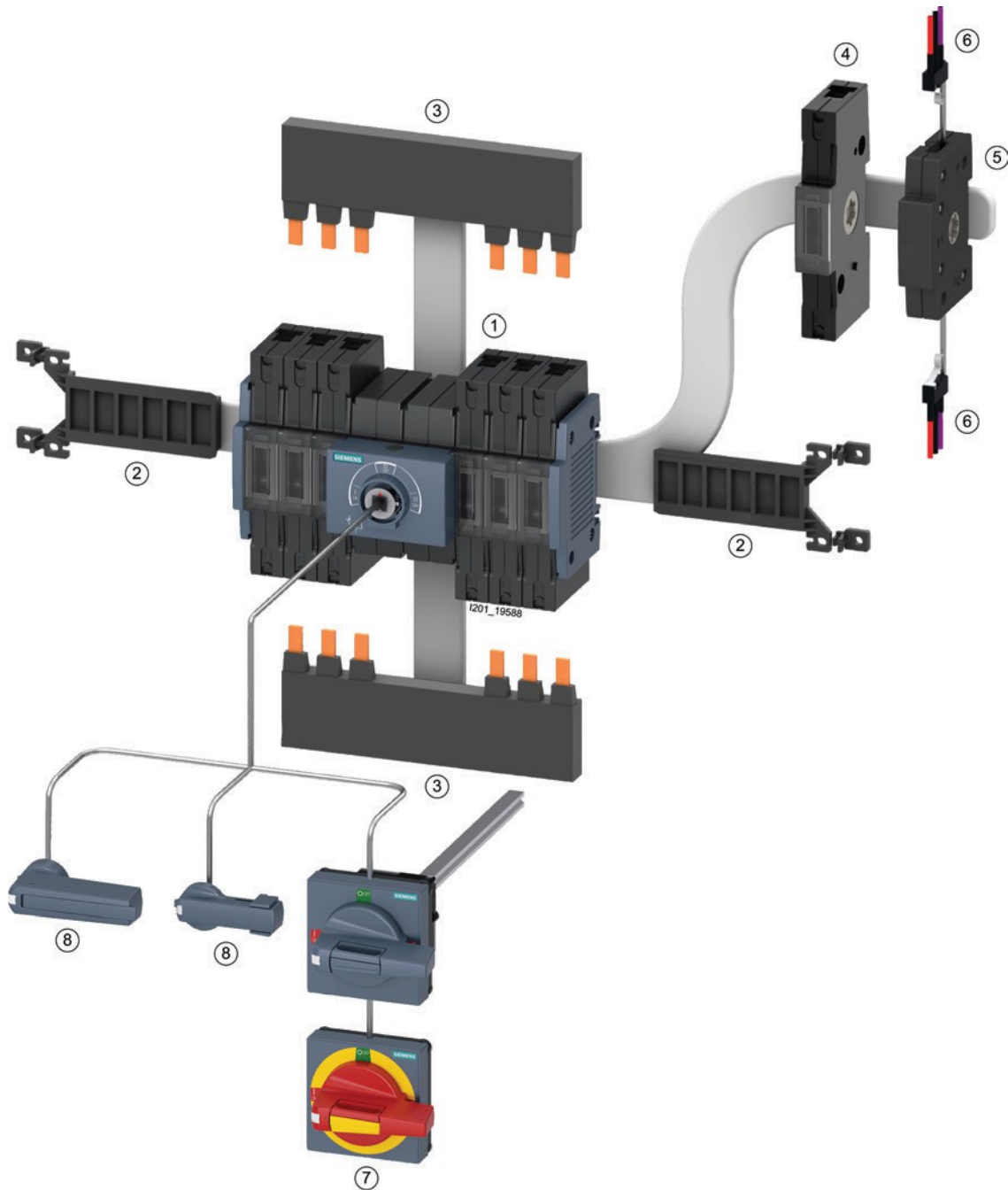
3KD9204-7

SENTRON switching devices

3KC manual transfer switches

3KC MANUAL TRANSFER (I-O-II)

3KC MANUAL TRANSFER SWITCH (MTSEIZE 1 and SIZE 216-160A3/4 POLE)
Main Components and Accessories



- ① 3KC Manual transfer Switch
- ② Base mounting kit
- ③ Bridging busbar
- ④ 4th contact element

- ⑤ Auxiliary contact module
- ⑥ Auxiliary contact element
- ⑦ Door drive mechanism
- ⑧ Direct drive arm

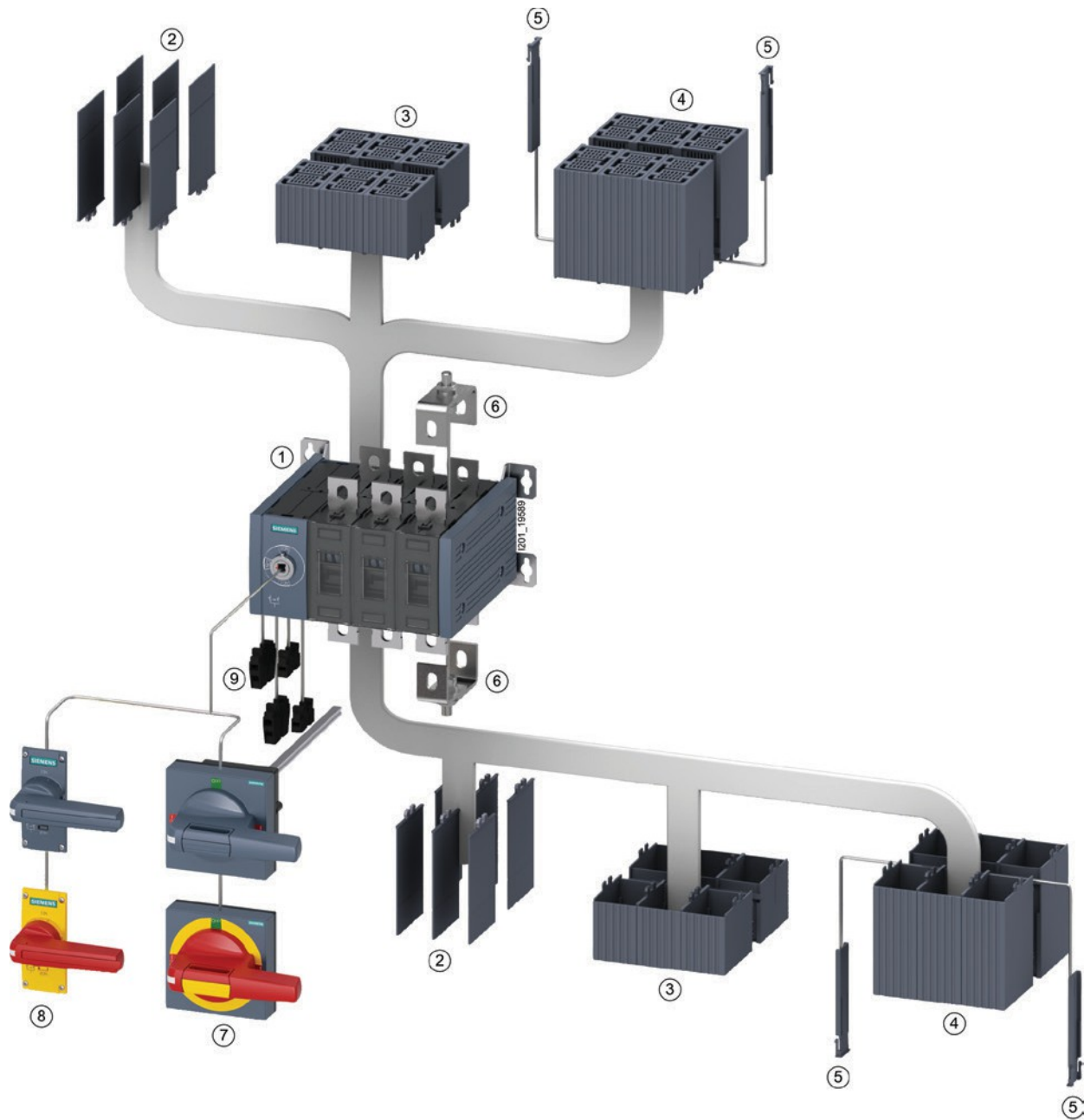
Note: Please contact our sales offices for our automatic transfer switch series (3KC6, 3KC8).

SENTRON switching devices

3KC manual transfer switches

3KC MANUAL TRANSFER (I-O-II)

3KC MANUAL TRANSFER SWITCH (MTSE3 TO SIZE 200-1600A, 3/4 POLE)
Main Components and Accessories



- | | | | |
|---|----------------------------|---|-----------------------------|
| ① | 3KC Manual transfer switch | ⑤ | (Side) (plates) |
| ② | Phase separator plates | ⑥ | Bridging fittings |
| ③ | Terminal cover short type | ⑦ | Door drive mechanism |
| ④ | Terminal cover long type | ⑧ | Direct drive leverAuxiliary |
| | | ⑨ | contact element |

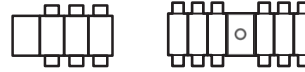
Note: Please contact our sales offices for our automatic transfer switch series (3KC6, 3KC8).

SENTRON switching devices

3KC manual transfer switches

3KC MANUAL TRANSFER SWITCHES

Material Type	Size	Rated Current (A)	Order No.		Min. Order quantity
			Left Hand Drive	Center Drive	



3KC Manual Transfer switch: 3-pole, excluding drive arm: IEC 60947-1, IEC 60947-3

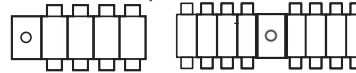


3KC0336-0PE00-0AA0



3KC0346-2QE00-0AA0

Insulation voltage: 1000 VAC	2	80	-	3KC0328-2NE00-0AA0	1
		100	-	3KC0330-2NE00-0AA0	1
		125	-	3KC0332-2NE00-0AA0	1
		160	-	3KC0334-2NE00-0AA0	1
Classes of use: AC31B, AC32B, AC33B, AC35B	3	200	3KC0336-0PE00-0AA0	-	1
		250	3KC0338-0PE00-0AA0	-	1
		315	3KC0340-0PE00-0AA0	-	1
		400	3KC0342-0PE00-0AA0	-	1
Nominal operating voltage: 690VAC (50/60Hz)	4	500	3KC0344-0QE00-0AA0	-	1
		630	3KC0346-0QE00-0AA0	-	1
		800	3KC0348-0QE00-0AA0	-	1
		5	1000	3KC0350-0RE00-0AA0	-
1250	3KC0352-0RE00-0AA0		-	1	
1600	3KC0354-0RE00-0AA0		-	1	



3KC Manual Transfer switch: 4-pole, excluding drive arm: IEC 60947-1, IEC 60947-3



3KC0436-0PE00-0AA0



3KC0444-0QE00-0AA0

Insulation voltage: 1000 VAC	2	80	-	3KC0428-2NE00-0AA0	1
		100	-	3KC0430-2NE00-0AA0	1
		125	-	3KC0432-2NE00-0AA0	1
		160	-	3KC0434-2NE00-0AA0	1
Classes of use: AC31B, AC32B, AC33B, AC35B	3	200	3KC0436-0PE00-0AA0	-	1
		250	3KC0438-0PE00-0AA0	-	1
		315	3KC0440-0PE00-0AA0	-	1
		400	3KC0442-0PE00-0AA0	-	1
Nominal operating voltage: 690VAC (50/60Hz)	4	500	3KC0444-0QE00-0AA0	-	1
		630	3KC0446-0QE00-0AA0	-	1
		800	3KC0448-0QE00-0AA0	-	1
		5	1000	3KC0450-0RE00-0AA0	-
1250	3KC0452-0RE00-0AA0		-	1	
1600	3KC0454-0RE00-0AA0		-	1	

Note: Please contact our sales offices for our automatic transfer switch series (3KC6, 3KC8).

Material Type	Order No	Min. Order quantity
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3KC MANUAL TRANSFER ACCESSORIES

4th Pole Element (Switched pole)

Flat Connection

For Size 1; 3KC.....M	3KD9105-2	1
For size 2; 3KC.....N	3KD9205-2	1



3KD9105-2



3KD9103-5

Auxiliary Contact Module for Size 1 and 2

Flat Connection

For size 2; 3KC.....N	3KD9103-5	1
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1) The auxiliary contact element must be ordered separately. Up to 2 auxiliary contact elements can be installed

Auxiliary Contact Element for Size 1 and 2

1CO	3KD9103-1	1
1CO Contact Element for Solid State Circuits	3KD9103-3	1



3KD9103-3

SENTRON switching devices

3KC manual transfer switches accessories

3KC MANUAL TRANSFER ACCESSORIES

Material Type	Order No	Min. Order quantity
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Drive Arm (Standard type) Gray (can be fitted with up to 3 padlocks)



3KC9201-3

For Size 1 and Size 2; 3KC0.....M/N	3KC9201-3	1
For size 3; 3KC0.....P	3KC9301-1	1
For size 4; 3KC0.....Q	3KC9401-1	1
For size 5; 3KC0.....R	3KC9501-1	1



8UD1131-2AE21

Door Drive Mechanism Complete 300 mm Extension Shaft and Coupling Part Included Gray (up to 3 padlocks can be installed)

For Size 1 and Size 2; 3KC0.....M/N	8UD1131-2AE21	1
For size 3; 3KC0.....P	8UD1141-2AE21	1
For size 4; 3KC0.....Q	8UD1151-3AE21	1
For size 5; 3KC0.....R	8UD1161-4AE21	1



8UD1900-2GA00

Coupling spacer (tolerance compensated)

For Size 1 and Size 2; 3KC0.....M/N	8UD1900-2GA00	1
For size 3; 3KC0.....P	8UD1900-6GA00	1
For size 4; 3KC0.....Q	8UD1900-3GA00	1
For size 5; 3KC0.....R	8UD1900-4GA00	1



8UC6032

Extension shaft (300 mm long)

For Size 1 and Size 2; 3KC0.....M/N	8UC6032	1
For size 3; 3KC0.....P	8UC6032	1
For size 4; 3KC0.....Q	8UC6033	1
For size 5; 3KC0.....R	8UC6034	1

3KF LOAD BREAKERS

NH Insurance Size	Size	Rated Current (A)	Order No.		Min. Order quantity
			Left Hand Drive	Center Drive	

AC-21A, AC-22A, AC-23A, 400 V ... 690 V DC-21A, DC-22A, DC-23A, 220 V ... 440 V AC-23A, 15kW ... 800 kW for NH fuses in IEC 60269-2 standard



3KF type fused Load breaker 3 poles excluding drive arm: IEC 60947-1, IEC 60947-3 NH fuses must be ordered separately.

00/000	2	125	3KF2312-0LF11	3KF2312-0MF11	1
00/000	2	160	3KF2316-0LF11	3KF2316-0MF11	1
1	3	250	3KF3325-0LF11	3KF3325-0MF11	1
2/1	4	400	3KF4340-0LF11	3KF4340-0MF11	1
3/2	5	630	3KF5363-0LF11	3KF5363-0MF11	1
3/2	5	800	3KF5380-0LF11	3KF5380-0MF11	1



SENTRON switching and protection devices

3NJ4 fused load disconnecter

SENTRON 3NJ4 LINE INPUT VERTICAL TYPE LOAD SEPARATORS UP TO 1600A

NEW

- Conforms to IEC/EN 60439-1, IEC/EN 60947-3
- Up to **800VAC**
- Rated current from 160A to 1600A
- Parking location for maintenance
- 1-pole or 3-pole switched type
- possibility of horizontal or vertical mounting
- Protection class IP30

Rated Current (A)	NH Insurance Size	Busbar Center Distance (mm)	Connection Type	Order No.	Min. Order quantity
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Vertical Type NH Fused Load Disconnectors (1 pole separately switched)

160*	NH00/NH000	185*	M8 flat connection	3NJ4101-3BF01	1
250	NH1	185	M10 flat connection	3NJ4121-3BF01	1
400	NH2	185	M12 flat connection	3NJ4131-3BF01	1
630	NH3/NH2	185	M12 flat connection	3NJ4141-3BF01	1

Vertical Type NH Fused Load Disconnectors (3 pole switched)

160*	NH00/NH000	100	M8 flat connection	3NJ4103-3BF02	1
160*	NH00/NH000	100	F70 block terminal block	3NJ4103-3BR02	1
160	NH00/NH000	185*	M8 flat connection	3NJ4103-3BF01	1
250	NH1	185	M10 flat connection	3NJ4123-3BF01	1
400	NH2/NH1	185	M12 flat connection	3NJ4133-3BF01	1
630	NH3/NH2	185	M12 flat connection	3NJ4143-3BF01	1

800V VERTICAL TYPE NH FUSED LOAD SEPARATORS (3 poles with separate switching)

NEW

63*	NH00/NH000	100	M8 flat connection	3NJ4103-3DF02	1
63*	NH00/NH000	185	M8 flat connection	3NJ4103-3DF01	1
160	NH1	185	M10 flat connection	3NJ4123-3DF01	1
315	NH3	185	M12 flat connection	3NJ4143-3DF01	1

Mounting adapter for busbar systems

*When installed together with devices of sizes NH1 to NH3, the adapter **3NJ5930-3BB** is as an accessory to compensate for height differences.

3NJ5930-3BB	1
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Note: Please consult our sales department for 630A and above types.

3KF LOAD ACCESSORIES

Complete Door Drive Mechanism, (up to 3 padlocks can be fitted)

Gray	Arm Length	Shaft Size		
Size 2, for 3KF2	100	8x8	8UD1141-2AF21	1
Size 3, for 3KF ³	100	10x10	8UD1141-3AF21	1
Size 4, for 3KF ⁴	140	10x10	8UD1151-3AF21	1
Size 5, for 3KF5	200	12x12	8UD1161-4AF21	1

Yellow/Red	Arm Length	Shaft Size		
Size 2, for 3KF2	100	8x8	8UD1141-2AF25	1
Size 3, for 3KF3	100	10x10	8UD1141-3AF25	1
Size 4, for 3KF4	140	10x10	8UD1151-3AF25	1
Size 5, for 3KF5	200	12x12	8UD1161-4AF25	1



3NJ4101-3BF01

3NJ4103-3BF01



3NJ5930-3BB



3NJ5930-3BB



8UD1141-3AF21



8UD1141-3AF25

SENTRON switching and protection devices

3NP1 NH-Bladed fuse disconnectors

SENTRON 3NP1 SEPARATORS



3NP1 type NH-Bladed Fused breakers

An overview of the most important product features

- Block terminal block connection available for all lengths from start to finish
- Round conductor and insulated busbar connection possible
- End-to-end insurance audit possible
- *** Busbar mountable, 3-pole narrow design.**
- Attachable busbar holders
- If the busbar thickness is changed to 5/10 mm, there is no need to remove or break parts.
- The cable outlet can be adjusted up or down without interfering with internal current paths. cover plates
- Touch protection even when connecting from behind
- Possibility to remove the fuses without touching them thanks to the locking pin
- Sealing and locking of all devices is possible.

Rated Current (A)	Connection Type	Size	Order No	Min. Order quantity
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Front and Bottom Fixing Type

Bottom or top connection possible

160	Connection with block terminal block	000 ¹²⁾	3NP1123-1CA20	1
160	Flat Connection	00 and 000 ¹⁾	3NP1133-1CA10	1
160	Block Terminal Block	00 and 000 ²⁾	3NP1133-1CA20	1
250	Flat Connection	1 and 0 ¹⁾	3NP1143-1DA10	1
400	Flat Connection	2 and 1 ¹⁾	3NP1153-1DA10	1
630	Flat Connection	3 and 2 ¹⁾	3NP1163-1DA10	1



3NP1...

Type Installable in Busbar Systems Busbar center distance 60 mm

Busbar widths from 12 mm to 30 mm For busbars 5 to 10 mm thick

160	Top or bottom connection with Block Terminal Block	000 ¹²⁾	3NP1123-1BC20	1
160	Top or bottom Flat connection	00 and 000 ¹⁾	3NP1133-1BC10	1
160	Top or bottom connection with Block Terminal Block	00 and 000 ¹⁾	3NP1133-1BC20	1
250	Top or bottom flat connection	1 and 0 ¹⁾	3NP1143-1BC10	1
400	Top or bottom flat connection	2 and 1 ¹⁾	3NP1153-1BC10	1
630	Top or bottom flat connection	3 and 2 ¹⁾	3NP1163-1BC10	1

¹⁾125 and 160 A is only possible with 3NA3832-8 (125A) and 3NA3836-8 (160 A) fuses with a width of 21 mm. Other NH-Bladed fuse bushings are available on page 21.

²⁾In these breakers; new type, 3NA6 NH-Blade fuse bushings with additional front surface flag indicator and insulated cover can also be used.

3NP1 Type Disconnecter Accessories

21 mm Wide NH-Bladed Fuse Bushings

125 A	000	3NA3832-8	1
160 A	000	3NA3836-8	1

Auxiliary Contact Element 1C/0 (Inverter)

For 3NP112 to 3NP113	NH000	3NP1920-1FA00	1
	NH00	3NP1930-1FA00	1
For 3NP114, 3NP115 and 3NP116	NH1-NH3	3NP1940-1FA00	1

3NP1 Cover Plates

Height
x Width (mm)

For 3NP 1123	215x130	NH000	3NP1923-1DA00	1
For 3NP 1133	215x130	NH00	3NP1933-1DA00	1
For 3NP 1143	375x220	NH1	3NP1943-1DA00	1
For 3NP 1153	375x220	NH2	3NP1953-1DA00	1
For 3NP 1163	375x290	NH3	3NP1963-1DA00	1



3NP1940-1FA00



3NP1923-1DA00

Compensation products

Reactive power control panels



PFC 3C Reactive Power Control Relay

Material Type	Order No	Min. Order quantity
L2-stage relay output and communication	4RB9512-8CD50	1

- Three-phase measurement
- Auto/Manual mode selection, automatic C/k setting, password protection
- Supply voltage : 95-272 V AC± 10%
- Measured range (L-N): 230 V AC± %15
- Operation at low currents
- 2 alarm relays and the ability to set alarms for various measurement parameters
- Learning Mode: learning number of stages, stage power, stage type and connection type
- Remote monitoring and control: RS-485 port and Modbus RTU communication
- Phase V,I,f,Q,P,S magnitudes and up to 21 harmonic measurements
- Automatic learning of the connection type of current transformers
- Dynamic capacitor monitoring (DCM) : Calculate the reactive power of each capacitor and use the measured value in compensation
- Setting the discharge time of capacitors, fast stage commissioning
- Switching time and number of switching stages
- Possibility to measure the temperature inside the panel with the built-in temperature sensor and to identify one of the outputs as a temperature-dependent fan output
- Storing data in memory, Real-time clock to record alarms with time tag
- Graphic LCD Display
- Turkish and English language options

BR7000 POWER CONTROL RELAY

15-stage Transistor output, RS-485-bus, USB port via USB adapter	4RB9515-4CD51	1
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- Three-phase measurement
- 3 N/O alarm relays (Message, Alarm, Fan)
- 50...1000 ms Switching / Waiting time can be defined
- Remote Monitoring : 2 RS-485 ports
- Phase and Total/Average V, I, f, Q, P, S magnitudes and up to 31 harmonic measurements, Oscilloscope mode, Bar Graph Mode
- Single phase and three phase stages can be connected in the same system
- Built-in clock, Fixed step assignment, Manual control option, Temperature Measurement
- Graphic LCD Display (128x64 pixels up to 8 lines)
- Turkish, EnglishGermanFrench, FrenchSpanish, language options

MODULES FOR

(For inductive loads with fast switching on and off)

TSM - LC Module : Electronically controlled, self-controlled, thyristor switching element for capacitive loads up to 50 kvar. With the TSM-LC Module, power capacitors up to 50 kvar can be switched on and off as needed in approximately 5 milliseconds.

Features :

- Thyristor control circuit is integrated in the module.
- The reaction time is 5 milliseconds.
- Voltage, phase duration and capacitor outputs continuously monitored.



TSM-LC

Tip	Voltage	Output at 50 Hz Power (kvar)	Order No	Min. Order quantity
TSM-LC50	400	50	4RB9750-0EA50	1

* Transistor output type should be used as compensation relay.

** It must be used with 525V capacitors.



EW22

EW-22 Discharge Resistance	4RB9810-0AA00	1
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use in 25 kvar or 50 kvar stages, one per stage is required.

BD-100 Current Limiting Reactor	4RB9830-0AA00	1
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use in 25 kvar or 50 kvar stages, two per stage are required.

SENTRON measuring instruments

PAC 7KM energy analyzers



SENTRON PAC1020



SENTRON PAC3120



SENTRON PAC3220

Material Type	Vc	Order No		Min. Order quantity
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SENTRON PAC1020 Energy Analyzer

SENTRON PAC1020 multifunction measuring instrument	100-250 V AC/DC± 10%	7KM1020-0BA01-1DA0		1
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- Compact panel type 96*96*46mm
- Measurement of over 10 quantities (voltage, current, active-reactive power, power factor, ...)
- Active/reactive energy counter feature
- Can be directly connected to three-phase industrial networks up to 230/400V (CATIII)
- Adjustable transformer conversion ratio and current direction for x/1 and x/5A current transformer
- 1 digital input, 1 digital output
- IP40 protection class on the front and IP20 protection class on the back
- Measurement accuracy current / voltage / power : 0.5% / 0.5% / 1%
- Integrated RS485 interface: Modbus RTU communication
- 4 menu language options, 4 function keys for easy operation
- Illuminated graphic LCD display
- Device password protection

SENTRON PAC3120 Energy Analyzer

SENTRON PAC3120 multifunction meter MID	100-250 V AC/DC± 10%	7KM3120-0BA01-1DA0		1
	22-65V DC± 10%	7KM3120-1BA01-1EA0		1
	100-250 V AC/DC± 10%	7KM3120-2BA01-1HA0		1

- Compact panel type 96*96*56mm
- Measurement of over 70 quantities (voltage, current, active-reactive power, power factor, THD, ...)
- Can be directly connected to three-phase industrial networks up to 400/690V (CATIII)
- Adjustable transformer conversion ratio and current direction for x/1 and x/5A current transformer
- 2 digital inputs, 2 digital outputs
- Current/voltage imbalances, operating hours and universal meter
- Limit value tracking(6), Boolean logic programming
- IP65 protection class on the front and IP20 protection class on the back
- Measurement accuracy current / voltage / power : 0.2% / 0.2% / 0.5%
- Integrated RS485 interface: Modbus RTU communication
- 10 menu language options including Turkish, easy operation with 4 function keys
- Illuminated graphic LCD screen, status display with color led lamp
- Device password protection, sealable write protection
- Storage of Minimum - Maximum values for up to 60 days

SENTRON PAC3220 Energy Analyzer

SENTRON PAC3220 multifunction meter MID	100-250 V AC/DC± 10%	7KM3220-0BA01-1DA0		1
	22-65V DC± 10%	7KM3220-1BA01-1EA0		1
	100-250 V AC/DC± 10%	7KM3220-2BA01-1JA0		1

- Compact panel type 96*96*56mm (73mm with communication module)
- Measurement of over 70 quantities (voltage, current, active-reactive power, power factor, THD, ...)
- Can be directly connected to three-phase industrial networks up to 400/690V (CATIII)
- Adjustable transformer conversion ratio and current direction for x/1 and x/5A current transformer
- 2 digital inputs, 2 digital outputs
- Current/voltage imbalances, operating hours and universal meter
- Limit value tracking(6), Boolean logic programming
- IP65 protection class on the front and IP20 protection class on the back
- Measurement accuracy current / voltage / power : 0.2% / 0.2% / 0.5%
- Integrated Ethernet interface (10/100Mbit/s): Modbus TCP communication (standard 2 ports)
- Profinet, Profibus DP or Modbus RTU communication with optional communication module
- 10 menu language options including Turkish, easy operation with 4 function keys
- Illuminated graphic LCD screen, status display with color led lamp
- Device password protection, sealable write protection, IP filtering
- Storage of Minimum - Maximum values for up to 60 days
- Integrated Web server (Integrated REST API support)

* Instead of Sentron PAC3100 and PAC3200 energy analyzers that are no longer actively sold, you can use their equivalents PAC3120 and PAC3220 energy analyzers. Please contact our sales department for the supply of old products.

SENTRON measuring instruments

PAC 7KM energy analyzers



SENTRON PAC4220

Material Type	Vc	Order No	Min. Order quantity
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SENTRON PAC4220 Energy Analyzer NEW

SENTRON PAC4220 multifunction measuring instrument	(95-250 V AC / 110-270 V DC ±10%)	7KM4220-0BA01-1EA0	1
	(24 - 48 V ±25%)	7KM4220-1BA01-1EA0	1

- Compact panel type 96*96*56mm (78 mm with communication module)
- High resolution color TFT display
- Upgradable Linux base, powerful 3-core processor and 8 GB storage
- Measurement of 200 electrical quantities (voltage, current, active-reactive power, power factor, frequency, THD ...)
- Can be directly connected to three-phase industrial networks up to 400/690V (CATIII)
- Adjustable transformer conversion ratio and current direction for x/1A and x/5A current transformer
- 2 digital inputs, 2 digital outputs (10 digital inputs and 6 digital outputs with additional modules)
- Measurement accuracy current / voltage / power :0.2% / 0.2 % / 0.2%
- 1..63 measurement of current and voltage harmonics per phase
- Dual port integrated ethernet interface (10/100 Mbit/s) answers 12 queries simultaneously)
- IP65 protection class on the front and IP20 protection class on the back
- Profinet, Profibus DP or Modbus RTU communication with optional communication module
- Monitoring up to 12 limit values and control of limit values with logic commands (AND/OR/NAND,NOR,NOR,XOR,XNOR)
- of Min-Max values with date and time via integrated real-time clock
- Recording daily energy consumption for 366 days
- Integrated memory to record visible, active and reactive power for 40 days in a 15 minute measurement period
- Logging of more than 4000 operating and system events, load profiling capability
- Possibility to display measurement values as bar graphs, user-defined screens
- Color LED for status information
- Integrated gateway feature Integrated web server (Integrated REST API support)
- Device password protection, IP filtering



SENTRON PAC4200

SENTRON PAC4200 Energy Analyzer

SENTRON PAC4200 multifunction measuring instrument	95-240 V AC± 10% 110-340 V DC± 10%	*7KM4212-0BA00-3AA0	1
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- Compact panel type 96*96*77mm (99mm with communication module)
- Measurement of 200 electrical quantities (voltage, current, active-reactive power, power factor, frequency, THD ...)
- Can be directly connected to three-phase industrial networks up to 400/690V (CATIII)
- Adjustable transformer conversion ratio and current direction for x/1A and x/5A current transformer
- 2 digital inputs, 2 digital outputs (10 digital inputs and 6 digital outputs with additional modules)
- Measurement accuracy current / voltage / power :0.2% / 0.2 % / 0.2%
- Measurement of 2..31 current / 2..64 voltage harmonics per phase
- Integrated Ethernet interface (10/100 Mbit/s)
- IP65 protection class on the front and IP20 protection class on the back
- Profinet, Profibus DP or Modbus RTU communication with optional communication module
- Monitoring up to 12 limit values and control of limit values with logic commands (AND/OR/NAND,NOR,NOR,XOR,XNOR)
- Recording of Min Max values with date and time via integrated real time clock
- Recording daily energy consumption for 366 days
- Integrated memory to record visible, active and reactive power for 40 days in a 15 minute measurement period
- Logging of more than 4000 operating and system events, Load Profiling feature
- Possibility to display measurement values as bar graphs, user-defined screens
- Integrated Gateway feature
- Device password protection, IP filtering
- Integrated Web server

* Sentron PAC4200 is completing its active sales process. PAC4220 is available for sale as an equivalent.

SENTRON PAC3200T Energy Analyzer

PAC3200T multifunction measuring instrument	110-250 V AC± 10% 110-270 V DC± 10%	7KM3200-OCA01-1AA0	1
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PAC3200T

- DIN rail mountable, 90*108*64 mm dimensions
- Measurement of over 50 electrical quantities (voltage, current, active-reactive power, power factor, frequency, THD)
- Direct connection to three-phase industrial networks up to 277/480 V (CATIII). Measurement of higher voltages with voltage transformer, adjustable transformer conversion ratio.
- Adjustable conversion ratio for x/1A and x/5A current transformer.
- 1 digital input and 1 digital output
- Integrated Web server
- Integrated Ethernet interface (10/100 Mbit/s): Modbus TCP communication
- Power measurement in 0.5S class according to IEC 61557-12 standards

SENTRON measuring instruments

PAC 7KM energy analyzers



SENTRON PAC 5200



SENTRON PAC 5200
Rail Mounted



Rail Mounting Plate



PAC PROFINET



SPP2000



PAC PROFIBUS DP



PAC RS485



DIO MODULE



Analog Module

Material Type	Vc	Order No	Min. Order quantity
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SENTRON PAC5200 Energy Analyzer and Energy Quality Recorder

PAC5200 Panel mounted	110-230 V AC± %20	7KM5412-6BA00-1EA2	1
PAC5200 Rail-mounted (without display)	110-230 V AC± %20	7KM5412-6CA00-1EA8	1

- Adjustable period power quality recording and reporting in accordance with EN 50160 Class S standard
- Measurement in IEC61000-4-30, IEC61000-4-15 and IEC61000-4-7 standards
- Suitable for 96 x 96 mm panel cover mounting
- Measurement of electrical quantities and waveform recordings (voltage, current, flicker, active and reactive power, power factor, phase angle, frequency, harmonics...)
- Possibility to select measurement screens
- 2 digital outputs
- IP40 front panel protection
- 2 GB internal programmable memory
- Built-in battery that can last 2 months in case of outage
- Direct connection to three-phase industrial networks up to 400/690V (CATIII)
- Adjustable transformer conversion ratio suitable for measurement with voltage transformer Adjustable transformer conversion ratio and current direction for x/1A and x/5A current transformer
- Measurement accuracy current / voltage / power / energy :0.2% / 0.2 % / 0.5% / 0.5%
- Power measurement in 0.2S class according to IEC 62053-22 standard
- Measurement up to 40th harmonic
- Programmable monitoring and control of limit values
- Integrated ethernet interface: MODBUS TCP communication
- Integrated web server

ACCESSORIES

Rail Mounting Plate

Rail mounting bracket for PAC 3xx0 and 42x0

7KM9900-OXA00-0AA0	1
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SENTRON PAC PROFINET Communication Module

- Profinet communication for SENTRON PAC32x0 and PAC42x0
- Switch ethernet profinet module 2xRJ45 socket

7KM9300-OAE02-0AA0	1
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SENTRON PROFINET Proxy SPP2000

- Proxy for switching from Modbus TCP enabled measuring instruments to PROFINET IO. Connection of up to 8 devices from the PAC2200 and PAC3200T product series.

7KM9300-OPP20-0AA0	1
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SENTRON PAC PROFIBUS DP Communication Module

- Profibus DP communication module for SENTRON PAC32x0 and PAC42x0
- Cyclic and acyclic data transfer via Profibus DPV1
- 9-pole SUB-D socket
- Supports all speeds from 9.6 Kbit/s to 12 Mbit/s

7KM9300-0AB01-0AA0	1
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SENTRON PAC RS485 Communication Module

- RS485 communication module for SENTRON PAC32x0 and PAC42x0
- Supports Modbus RTU and or SEAbus protocols
- Supports 4.8/9.6/19.2 and 38.4 kbd communication rates module

7KM9300-OAM00-0AA0	1
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SENTRON PAC Additional DI/DO Module

DIO MODULE PAC 4I/2O

- Up to 10 inputs and 6 outputs for PAC 3220 and PAC 42x0

7KM9200-0AB00-0AA0	1
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SENTRON PAC Neutral Current (In) and Residual Current (Idiff) Analog Module

PAC Analog Module

- Analog module compatible with SENTRON PAC32x0 and PAC42x0
- Neutral current measurement in accordance with IEC61557-12 standards
- Module for use with x/1A or x/5A current transformer
- 2 analog inputs (0/4-20mA): Temperature, Pressure etc. measurement
- Measurement of leakage current through a Type A or Type B current transformer with one of the analog inputs

7KM9200-0AD00-0AA0	1
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SENTRON measuring instruments

PAC 7KT energy meters and current transformers



4NC51



4NC53



4NC54

Transformer Turnover Ratio	Rated Power Pn	Maximum Busbar Dimensions	Order No	
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Current Transformers - Accuracy class 0.2

NEW

150/5	1 VA	20.5 x 20.5 mm	4NC5121-2FA21	
200/5	2.5 VA	20.5 x 20.5 mm	4NC5122-2FC21	
250/5	2.5 VA	20.5 x 20.5 mm	4NC5123-2FC21	
300/5	5 VA	20.5 x 20.5 mm	4NC5124-2FE21	
400/5	5 VA	20.5 x 20.5 mm	4NC5125-2FE21	
500/5	5 VA	20.5 x 20.5 mm	4NC5126-2FE21	
600/5	5 VA	30.5 x 30.5 mm	4NC5227-2FE21	
700/5	5 VA	30.5 x 30.5 mm	4NC5228-2FE21	
800/5	5 VA	30.5 x 30.5 mm	4NC5231-2FE21	
1000/5	5 VA	30.5 x 30.5 mm	4NC5232-2FE21	

Current Transformers - Accuracy class 0.5

NEW

100/5	1 VA	20.5 x 20.5 mm	4NC5117-2DA21	
150/5	2.5 VA	20.5 x 20.5 mm	4NC5121-2DC21	
200/5	5 VA	20.5 x 20.5 mm	4NC5122-2DE21	
250/5	5 VA	20.5 x 20.5 mm	4NC5123-2DE21	
200/5	5 VA	30.5 x 30.5 mm	4NC5222-2DE21	
250/5	5 VA	30.5 x 30.5 mm	4NC5223-2DE21	
300/5	5 VA	30.5 x 30.5 mm	4NC5224-2DE21	
400/5	5 VA	30.5 x 30.5 mm	4NC5225-2DE21	
400/5	5 VA	21.5 x 51.5 mm	4NC5325-2DE21	
500/5	5 VA	21.5 x 51.5 mm	4NC5326-2DE21	
600/5	5 VA	21.5 x 51.5 mm	4NC5327-2DE21	
750/5	5 VA	21.5 x 51.5 mm	4NC5330-2DE21	
800/5	5 VA	21.5 x 51.5 mm	4NC5331-2DE21	
800/5	10 VA	36 x 64.5 mm	4NC5431-2DH21	
1000/5	10 VA	36 x 64.5 mm	4NC5432-2DH21	
1200/5	10 VA	36 x 64.5 mm	4NC5433-2DH21	
1500/5	10 VA	36 x 64.5 mm	4NC5435-2DH21	
1600/5	15 VA	36 x 64.5 mm	4NC5436-2DK21	
2000/5	20 VA	36 x 64.5 mm	4NC5438-2DL21	
2500/5	25 VA	36 x 64.5 mm	4NC5440-2DM21	
3000/5	30 VA	36 x 64.5 mm	4NC5441-2DN21	

Material Type	Order No	Min. Order quantity
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7KT PAC 1600 ENERGY METER and MULTIMETER



7KT 1661

LCD screen

DIN rail mountable, 2TE (single phase), 4TE (three phase)

Direct connection to three-phase industrial networks up to 230/400 V (CATIII)

Measurement of larger voltages with voltage transformer, models with adjustable transformer conversion ratio measurement

Models supporting different communication protocols (Modbus RTU or M-Bus), 1 digital input

Active power measurement in 1S class in IEC 62053-21/22 standards, MID certified models Measurement up to 15th harmonic in 7KT1682 model

1 phase, 63A, RS-485 interface and Modbus RTU communication	7KT1651	1
1 phase, 63A, M-Bus communication	7KT1653	1
3-phase, CT/5A, with RS-485 interface and Modbus RTU communication	7KT1661	1
3-phase, CT/5A, M-Bus communication	7KT1663	1
3-phase, 80A, RS-485 interface and Modbus RTU communication	7KT1665	1
3-phase, 80A, M-Bus communication	7KT1667	1
1/3-phase, CT/5A, Multimeter with Modbus RTU communication	7KT1682	1
1-phase, 63A, with RS-485 interface and Modbus RTU communication - MID	7KT1652	1
1 phase, 63A, M-Bus communication - MID	7KT1654	1
3-phase, CT/5A, with RS-485 interface and Modbus RTU communication - MID	7KT1662	1
3-phase, CT/5A, M-Bus communication - MID	7KT1664	1
3-phase, 80A, with RS-485 interface and Modbus RTU communication - MID	7KT1666	1
3-phase, 80A, M-Bus communication - MID	7KT1668	1

SENTRON measuring instruments

PAC 7KM and 7KT energy meters



PAC2200 LAN



PAC2200 RS485



PAC2200 M-Bus

Material Type	Order No	Min. Order quantity
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7KM PAC2200 Energy Meter

LCD screen

DIN rail mountable (6TE)

Device voltage supply via measuring voltage inputs

Direct connection to three-phase industrial networks up to 277/480 V (CATIII), measurement of larger voltages with voltage transformer, adjustable transformer conversion ratio.

Possibility of direct current connection up to 65 A and also models measuring with current transformer (x/1A and x/5A) Models supporting different communication protocols (Modbus TCP, Modbus RTU or M-Bus)

1 digital input and 1 digital output

Power measurement in class 1S according to IEC 61557-12 standards

Integrated Web server (Modbus TCP communication model only) MID certified models

3-phase, CT/5A, M-Bus communication	7KM2200-2EA30-1CA1	1
3-phase, CT/5A, with RS485 interface and Modbus-RTU communication	7KM2200-2EA30-1DA1	1
3-phase, CT/5A, with Ethernet interface and Modbus-TCP communication	7KM2200-2EA30-1EA1	1
3 phase, 65 A, M-Bus communication	7KM2200-2EA40-1CA1	1
3-phase, 65A, RS485 interface and Modbus-RTU communication	7KM2200-2EA40-1DA1	1
3-phase, 65A, with Ethernet interface and Modbus-TCP communication	7KM2200-2EA40-1EA1	1
3-phase, CT/5A, M-Bus communication - MID	7KM2200-2EA30-1GA1	1
3-phase, CT/5A, with RS485 interface and Modbus RTU communication - MID	7KM2200-2EA30-1HA1	1
3-phase, CT/5A, with Ethernet interface and Modbus TCP communication - MID	7KM2200-2EA30-1JA1	1
3-phase, 65 A, M-Bus communication - MID	7KM2200-2EA40-1GA1	1
3-phase, 65A, with RS485 interface and Modbus RTU communication - MID	7KM2200-2EA40-1HA1	1
3-phase, 65A, with Ethernet interface and Modbus TCP communication - MID	7KM2200-2EA40-1JA1	1

7KT PAC 1200 MULTI CHANNEL CURRENT MEASUREMENT SYSTEM

NEW

Siemens' low-cost multi-channel current measurement system developed for small and medium-sized companies The 7KT PAC1200 type modular system, which can measure the energy consumption of up to 96 consumers, allows the measured data to be displayed graphically using a web application. While the data can be transferred to existing energy monitoring systems via Modbus communication protocol, the system developed for use in areas such as data centers, office buildings, commercial kitchens and workshops with a large number of energy consumers can be easily installed on the energy distribution panel.



7KT 1261



7KT 1242



7KT 1255



7KT 1255

Data Manager 3 phase V, I, P and PF measurement (Current: 0.5%, Voltage: 0.5% and Power: 1%) Measurement of delivered energy Direct connection for up to 63 A measurement Wider measuring range with optional additional current transformer Standard rail mounting (Width 4TE) Possibility to connect up to 96 sensors (40A / 63A) Standard Modbus TCP communication and integrated web server	7KT1261	1
3-way Sensor Bar	7KT1233	1
6 Sensor Bar	7KT1236	1
9 Sensor Bar	7KT1238	1
12 Sensor Bar	7KT1242	1
Sensor 40 A (width 1 TE and measurement accuracy 1%)	7KT1254	1
Sensor 63 A (Width 1 TE and measurement accuracy 1%)	7KT1255	1
1x18 Pack contains 2 x 9 Sensor Bar 7KT 1238 1 x Data Manager 7KT 1260 18 x Sensor 40A, 7KT 1254	7KT1224	1
1 x 24 Pack contains 2 x 12-pack Sensor Bar 7KT 1242 1 x Data Manager 7KT 1260 24 x Sensor 40A, 7KT 1254	7KT1225	1

SENTRON digital solutions

SENTRON Powercenter and Powermanager

Material Type	Vc	Order No	Min. Order quantity
SENTRON Powercenter 3000			



SENTRON 7KN
Powercenter 3000

Sentron Powercenter 3000	24V DC± 20%	7KN1310-0MC00-0AA8	1
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- The easiest and fastest solution for energy monitoring. Hardware and software integrated IOT platform ready to use out of the box.
- Possibility to use either on siteremotely or via the cloud.
- 32 (212 with additional license) brand independent Modbus TCP or RTU (with gateway) devices can be connected.
- Unique integration with Siemens communicating protection and energy monitoring products. Status and maintenance planning of protection equipment, recording of trip cause and time.
- Providing centralized monitoring of systems in different locations by connecting to SENTRON Powermind or any cloud application (SPP, office, market chain, fast-food, chain store, etc.)
- Certified cyber security infrastructure. User authorization, reinforced external communication port and signed firmware update process.
- Free software updates, lifetime use no extra cost.
- 10 language options including Turkish.
- ISO 50001 certified by TÜV.
- Platform independent dynamic web interface for easy access and use from any device.
- Automatic report sending via interface and e-mail. Tracking of alarms and notifications, customizable alarm and warning infrastructure in case of exceeding specified limits.
- Flexible use with a powerful microprocessor and integrated 32 GB SSD storage.

SENTRON Powermanager

PC-based energy monitoring software



License	Description	Order No.
SENTRON Powermanager		
Basic License Package	Full product license for up to 10 devices, installation for client/server, via Windows Application Client web access	7KN2710-2CE40-0YCO
Trial License	Full product license limited to 60 days for up to 10 devices including all functionalities. The software can be downloaded via the following link https://support.industry.siemens.com/cs/document/109771760 A trial license limited to 60 days for one-time use can be requested from the link below: www.siemens.com/sentron-powermanager-trialversion	
Device expansion packs		
Device Package (20)	License to expand up to 20 devices	7KN2711-1CE40-0YCO
Device Package (50)	License to expand up to 50 devices	7KN2711-2CE40-0YCO
Device Package (100)	License to expand up to 100 devices	7KN2711-3CE40-0YCO
Device Package (200)	License to expand up to 200 devices	7KN2711-4CE40-0YCO
Device Package (500)	License to expand up to 500 devices	7KN2711-5CE40-0YCO
Device Package (1000)	License to expand up to 1000 devices	7KN2711-6CE40-0YCO
Option packages		
"Chart Organizer 60 Days" option package	Option to create any number of freely structured charts, with a validity period of 60 days limited	7KN2712-0CE40-0YCO
"Graphic Editor unlimited" option package	Option to create custom-made SENTRON Powermanager applications, e.g. graphics; in particular solution provider partners, control cabinet manufacturers, etc.	7KN2712-0CE40-0YC1
"Client (2)" option package	Used to increase the number of clients by 2	7KN2712-1CE40-0YCO
"Client (5)" option package	Used to increase the number of clients by 5	7KN2712-2CE40-0YCO
"SENTRON Powermanager OPC UA/DA Client (100)option pack	100 data points for OPC client configuration	7KN2712-3CE40-0YCO
"SENTRON Powermanager OPC UA Server" option pack	OPC server configuration	7KN2712-3CE40-0YC2
"SENTRON Powermanager" server option package	In addition, SENTRON Powermanager server license for distributed systems without devices, web, etc.	7KN2712-4CE40-0YCO
"SENTRON logics" option package	Extended logic functions	7KN2712-6CE40-0YCO
SENTRON Powermanager SUR Unit	Update package - Extend subscription period by 12 months	7KN2713-7CE40-0YCO
SENTRON Powermanager SUS Unit	Update package - Start a new 12-month subscription period	7KN2713-8CE40-0YCO
"SENTRON Powermanager BACnet protocol" option package	Creation, evaluation and management of individual devices with BACnet communication in Powermanager	7KN2712-3CE40-1YCO
"SENTRON Powermanager IEC 61850 protocol" option package	Creation and evaluation of devices with IEC 61850 communication in SENTRON Powermanager and managing	7KN2712-3CE40-1YC1
The "SENTRON Powermanager PQ Advisor" option package	The Power Quality Advisor extension requires IEC 61850 protocol. It allows power quality information from SICAM Q100/Q200 to be evaluated and archived in EN 50160 dashboards and reports.	7KN2712-5CE40-0YCO

* Please contact our energy monitoring and automation solution partners for Sentron Powermanager and Powercenter licensing and project design prices. (See p.196)

SENTRON switching devices

3LD main and emergency stop switches



3LD2..-



3LD2 203-OTK51



3LD2 704-OTK51



3LD2 213-OTK53



3LD2 213-OTK53

3LD2 SENTRON MAIN SWITCH / STOP SWITCHES

Material Type	Main Contacts	Iu A	P/ AC-23A (kW)	Order No	Min. Order quantity
---------------	---------------	------	----------------	----------	---------------------

Front Fixing

- Yellow-Red / Black
- Lockable with 3 padlocks in position 0
- Terminal block protection cover
- Protection class IP65 from the front
- Main switch DINEN 60204-1 Main/emergency stop IEC 947-3 Machinery directives EN60204-1 is suitable.

3	16	7.5	3LD2003-OTK51	1
	25	9.5	3LD2103-OTK51	1
	32	11.5	3LD2203-OTK51	1
	63	22	3LD2504-OTK51	1
	100	37	3LD2704-OTK51	1
	125	45	3LD2804-OTK51	1
	160	75	3LD2305-OTK11	1
	250	132	3LD2405-OTK11	1
3+N	16	7.5	3LD2003-1TL51	1

Drive arm color (Last digit of the product code)
black
yellow/red (emergency-stop)

1
3

Please consult our sales department for 25/32/63/100/125 A 3+N.

Bottom Fixing, Locking, Door Connection

- Features front fixation in the devices.

3	16	7.5	3LD2013-OTK51	1
	25	9.5	3LD2113-OTK51	1
	32	11.5	3LD2213-OTK51	1
	63	22	3LD2514-OTK51	1
	100	37	3LD2714-OTK51	1
	125	45	3LD2814-OTK51	1
	160	75	3LD2318-OTK11	1
	250	132	3LD2418-OTK11	1
3+N	16	7.5	3LD2013-1TL51	1

Drive arm color (Last digit of the product code)
black
yellow/red (emergency-stop)

1
3

Please consult our sales department for 25/32/63/100/125 A 3+N.

Bottom Fixing, Locking, Door Connection

- N and PE Terminal Block
- PG - Record entry
- Locking with 3 locks in position 0
- IP 65 Protection

3	25	9.5	3LD2164-OTB51	1
	32	11.5	3LD2264-OTB51	1
	63	22	3LD2565-OTB51	1
	100	37	3LD2766-OTB51	1
	125	45	3LD2866-OTB51	1

Drive arm color (Last digit of the product code)
black
yellow/red (emergency-stop)

1
3

SENTRON switching devices

Accessories for 3LD main and emergency stop switches

3LD2 SENTRON MAIN SWITCH / STOP ACCESSORIES

Material Type	Switch Type	Order No	Min. Order quantity
---------------	-------------	----------	---------------------

Front Fixing Switch Accessories

Auxiliary Contacts : (Late closes, early opens/right-left mounting)

1NO+1NC	3LD20/21/22/23/24/25/27/28	3LD9200-5B	1
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Neutral or PE Module : (Transition terminal block)

	3LD20	3LD9200-2B	1
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Neutral Module : (Early closes, late opens/FORWARD-REVERSE mounting)

	3LD21/22	3LD9220-0B	1
	3LD23/24	3LD9240-0B	1
	3LD25	3LD9250-0BA	1
	3LD27/28	3LD9280-0B	1



3LD9200-5B



3LD9200-5B

3LD9220-0B

Switch Accessories with Bottom Fixing Interlocking Door Mounted Switch Accessories

Auxiliary Contacts : (Late closes, early opens/FORWARD-REVERSE mounting)

1NO+1NC	3LD20/21/22/23/24/25/27/28	3LD9200-5C	1
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Neutral or PE Module : (Transition terminal block)

	3LD20	3LD9200-2C	1
--	-------	------------	---

Neutral Module : (Early closes, late opens/FORWARD-REVERSE mounting)

	3LD21/22	3LD9220-0C	1
	3LD23/24	3LD9240-0C	1
	3LD25	3LD9250-0CA	1
	3LD27/28	3LD9280-0C	1



3LD9200-5C



3LD9200-5C

3LD9220-0C

Switch Accessories with Front/Bottom Fixing, Interlocking, Door Connection

- Tag (ing/alm)
- Empty Label
- Black Drive Latch
- Black Drive Latch
- Black Drive Latch
- Extension shaft (600mm)
- Extension shaft (600mm)

Main switch/ Hauptschalter	Order No	Min. Order quantity
	3LD9286-1A	10
	3LD9286-4A	10
3LD20/21/22	3LD9224-1B	1
3LD23/24	3LD9243-1B	1
3LD25/27/28	3LD9284-1B	1
3LD20/21/21/22/25/27/28	3LD9205-2C	5
3LD23/24	3LD9245-2C	5

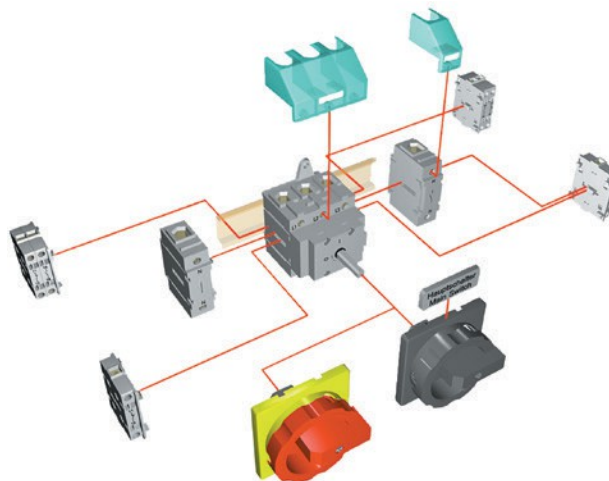


3LD9224-1B

3LD9243-1B



3LD9205-2C



SENTRON switching devices

3LD main and emergency stop switches

3LD3 SENTRON SERIES MAIN SWITCH / EMERGENCY STOP SWITCHES A 63 A

Material Type	Main Contacts	Iu A	P/ AC-23A (kW)	Order No	Min. Order quantity
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3LD3054-0TK51

Front Fixing

- Yellow-Red / Black
- Terminal block protection cover
- Protection class IP65 from the front
- Front panel 66 x 66 mm
- 22.5 mm for ease of installation

3	16	7.5	3LD3054-0TK51	1
	25	9.0	3LD3154-0TK51	1
	32	11.5	3LD3254-0TK51	1
	40	15	3LD3354-0TK51	1
	63	22	3LD3454-0TK51	1
3+N	16	7.5	3LD3054-0TL51	1

Please consult our sales units for 25/32/63 A 3+N.

Drive arm color (Last digit of the product code)

- black
- yellow/red (emergency-stop)



3LD3054-0TK53

Bottom Fixing, Locking, Door Connection

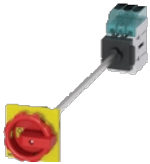
- Yellow-Red / Black
- Terminal block protection cover
- Protection class IP65 from the front
- Front panel 66 x 66 mm
- 22.5 mm for ease of installation

3	16	7.5	3LD3048-0TK51	1
	25	9.0	3LD3148-0TK51	1
	32	11.5	3LD3248-0TK51	1
	40	15	3LD3348-0TK51	1
	63	22	3LD3448-0TK51	1
3+N	16	7.5	3LD3048-0TL51	1

Please consult our sales units for 25/32/63 A 3+N.

Drive arm color (Last digit of the product code)

- black
- yellow/red (emergency-stop)



3LD3048-0TK53

Bottom Fixing, Locking, Door Connection

- Yellow-Red / Black
- Ease of screw mounting
- Protection class IP40 from the front
- Terminal block protection cover

3	16	7.5	3LD3030-0TK11	1
	25	9.0	3LD3130-0TK11	1
	32	11.5	3LD3230-0TK11	1
	40	15	3LD3330-0TK11	1
	63	22	3LD3430-0TK11	1
3+N	16	7.5	3LD3030-0TL11	1

Please consult our sales department for 25/32/63 A 3+N.

Drive arm color (Last digit of the product code)

- black
- yellow/red (emergency-stop)



3LD3030-0TK13

SENTRON switching devices

3LD main and emergency stop switches

3LD3 SENTRON MAIN SWITCH / STOP NEW

Material Type	Order No	Min. Order quantity
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3LD9340-2B
3LD9340-2C

- Neutral Module, Transition Terminal Block
- PE Module, Transition Terminal Block
- Auxiliary Contact, 1NO+ 1NC

3LD9340-2	<input type="checkbox"/>	1
3LD9340-3	<input type="checkbox"/>	1
3LD9340-6	<input type="checkbox"/>	1

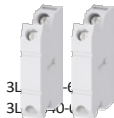


3LD9340-3B
3LD9340-3C

Connection Direction

Left
Right

B
C

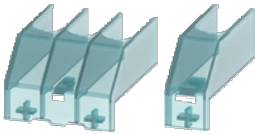


3LD9341-0A
3LD9341-2A

Terminal Protection Covers

- For 3 Pole 3LD3
- For 4th Pole Element

3LD9341-0A		4
3LD9341-2A		4



3LD9341-0A

3LD9341-2A

Bottom / Front Fixing Latch Accessories

- Black, 22.5 mm (for 3LD3.40 and 3LD3.48)
- Yellow-Red, 22.5 mm (for 3LD3.40 and 3LD3.48)
- Black, 22.5 mm (for 3LD3.50)
- Yellow-Red, 22.5 mm (for 3LD3.50)

3LD9344-2C		1
3LD9344-3C		1
3LD9344-4C		1
3LD9344-5C		1



3LD9344-3C

- Yellow-Red, 66x66 mm including shaft and connection apparatus)
- Black, 66x66 mm (including shaft and connection bracket)

3LD9344-3CA		1
3LD9344-2CA		1



3LD9344-3CA

SIRIUS ACT pushbutton and signaling products

Sirius ACT 22 mm plastic pushbutton and signal products

			Min
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SIRIUS ACT BUTTONS, 22mm, PLASTICIP69K

Complete Spring Return Buttons



3SU1100-0AB30-1BA0

Black	1NO	3SU1100-0AB10-1BA0	1
Black	1NC	3SU1100-0AB10-1CA0	1
Red	1NC	3SU1100-0AB20-1CA0	1
Yellow	1NO	3SU1100-0AB30-1BA0	1
Green	1NO NO	3SU1100-0AB40-1BA0	1
Green	NO+NC	3SU1100-0AB40-1FA0	1
Blue	1NO	3SU1100-0AB50-1BA0	1
White	1NO	3SU1100-0AB60-1BA0	1
Colorless	1NO	3SU1100-0AB70-1BA0	1



3SU1102-0AB40-1BA0

Fully Illuminated Spring Return LED Buttons

Red	24 AC/DC 1NC	3SU1102-0AB20-1CA0	1
Yellow	24 AC/DC 1NO	3SU1102-0AB30-1BA0	1
Green	24 AC/DC 1NO	3SU1102-0AB40-1BA0	1
Blue	24 AC/DC 1NO	3SU1102-0AB50-1BA0	1
White	24 AC/DC 1NO	3SU1102-0AB60-1BA0	1
Colorless	24 AC/DC 1NO	3SU1102-0AB70-1BA0	1
Red	230 AC 1NC	3SU1106-0AB20-1CA0	1
Yellow	230 AC 1NO	3SU1106-0AB30-1BA0	1
Green	230 AC 1NO	3SU1106-0AB40-1BA0	1
Blue	230 AC 1NO	3SU1106-0AB50-1BA0	1
White	230 AC 1NO	3SU1106-0AB60-1BA0	1
Colorless	230 AC 1NO	3SU1106-0AB70-1BA0	1



3SU1106-0AB20-1CA0

Twin Buttons*



3SU1000-3BB42-0AK0

Red - green protruding head	3SU1000-3BB42-0AA0	1
0-1 written in red-green with a protruding head	3SU1000-3BB42-0AK0	1
Red-green with up-down arrow icon**	3SU1001-3AB42-0ANO	1
Red-green with 0-1 text	3SU1000-3AB42-0AK0	1

*Does not include holder, contact and LED module, must be ordered separately.

** Can be illuminated.

Complete Emergency Stop Mushroom Push Buttons \varnothing 40mm



3SU1100-1HA20-1CH0

Pull to unlatch 1NC "NOT-HALT" plate	3SU1100-1HA20-1CH0	1
Rotate to unlatch 1NC yellow plate	3SU1100-1HB20-1CF0	1
Rotate to unlatch 1NC "EMERGENCY STOP" plate	3SU1100-1HB20-1CG0	1
Pull to unlatch	3SU1100-1BA20-1CA0	1

Emergency Stop Mushroom Buttons*



3SU1100-1HA20-1CH0

Rotate to unlatch 40 mm	3SU1000-1HB20-0AA0	1
Rotate to unlatch 60 mm	3SU1000-1JB20-0AA0	1
Rotate to unlatch, illuminated 30 mm	3SU1001-1GB20-0AA0	1
Rotate to unlatch, illuminated 40 mm	3SU1001-1HB20-0AA0	1
Rotate to unlatch, illuminated 60 mm	3SU1001-1JB20-0AA0	1
Key to unlock 40 mm	3SU1000-1HF20-0AA0	1

*Does not include holder, contact and LED module, must be ordered separately.



3SU1100-1HA20-1CH0

Note: Holder, contact and LED modules can be selected from the accessories page (page 138).

Material Type	Order No		Min. Order quantity
SIRIUS ACT LATCH BUTTONS and SIGNAL LAMPS 22mm PLASTIC, IP69K			

Complete Latch Buttons



3SU1150-0AB10-1CA0

0-1 position illuminable permanent latch button 1NO
 0-1 position illuminable permanent latch button 1NO/1NC
 1-0-2 position can be illuminated spring return latch button 1NO, 1NO
 Illuminable permanent latch button with 1-0-2 positions 1NO, 1NO

0-1 position illuminable permanent latch button 1NO	3SU1100-2BF60-1BA0		1
0-1 position illuminable permanent latch button 1NO/1NC	3SU1100-2BF60-1MA0		1
1-0-2 position can be illuminated spring return latch button 1NO, 1NO	3SU1100-2BM60-1NA0		1
Illuminable permanent latch button with 1-0-2 positions 1NO, 1NO	3SU1100-2BL60-1NA0		1

Complete Locking Latch Buttons*



3SU1100-4BF11-1BA0

RONIS 0-1 position latch button with lock 1NO
 RONIS 1NO, 1NO pushbutton latch with 1-0-2 position lock

RONIS 0-1 position latch button with lock 1NO	3SU1100-4BF11-1BA0		1
RONIS 1NO, 1NO pushbutton latch with 1-0-2 position lock	3SU1100-4BL11-1NA0		1

*Key can be removed in all positions.

Electronic Mode Selection Switch



3SU1100-4BS10-0AA0

4-position electronic mode selection switch

4-position electronic mode selection switch	3SU1000-4WS10-0AA0		1
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Electronic Mode Selection Switch Accessories



3SU1100-4BF11-1BA0



3SU1400-1GC10-1AA0

Mode 1 green switch
 Mode 2 yellow switch
 Mode 3 red switch
 Mode 4 blue switch
 Electronic module for electronic mode selection switch

Mode 1 green switch	3SU1900-0FV40-0AA0		1
Mode 2 yellow switch	3SU1900-0FW30-0AA0		1
Mode 3 red switch	3SU1900-0FX20-0AA0		1
Mode 4 blue switch	3SU1900-0FY50-0AA0		1
Electronic module for electronic mode selection switch	3SU1400-1GC10-1AA0		1

Complete LED Signal Lamps



3SU1102-0AA30-1AA0



3SU1400-1GC10-1AA0

Red 24 AC/DC
 Yellow 24 AC/DC
 Green 24 AC/DC
 Blue 24 AC/DC
 White 24 AC/DC
 Colorless 24 AC/DC
 Amber 230 AC
 Red 230 AC
 Yellow 230 AC
 Green 230 AC
 Blue Blue 230 AC
 White 230 AC
 Colorless 230 AC

Red 24 AC/DC	3SU1102-6AA20-1AA0		1
Yellow 24 AC/DC	3SU1102-6AA30-1AA0		1
Green 24 AC/DC	3SU1102-6AA40-1AA0		1
Blue 24 AC/DC	3SU1102-6AA50-1AA0		1
White 24 AC/DC	3SU1102-6AA60-1AA0		1
Colorless 24 AC/DC	3SU1102-6AA70-1AA0		1
Amber 230 AC	3SU1106-6AA00-1AA0		1
Red 230 AC	3SU1106-6AA20-1AA0		1
Yellow 230 AC	3SU1106-6AA30-1AA0		1
Green 230 AC	3SU1106-6AA40-1AA0		1
Blue Blue 230 AC	3SU1106-6AA50-1AA0		1
White 230 AC	3SU1106-6AA60-1AA0		1
Colorless 230 AC	3SU1106-6AA70-1AA0		1

Note: Holder, contact and LED modules can be selected from the accessories page (page 138).

SIRIUS ACT pushbutton and signaling products

Sirius ACT 22 mm polished metal pushbutton and signal products

Material Type	Order No	Min. Order quantity
SIRIUS ACT BUTTONS, 22 mm, SHINY METAL, IP69K		

Complete Spring Return Buttons

Black	1NO	3SU1150-0AB10-1BA0	1
Black	1NC	3SU1150-0AB10-1CA0	1
Red	1NC	3SU1150-0AB20-1CA0	1
Yellow	1NO	3SU1150-0AB30-1BA0	1
Yellow	1NO	3SU1150-0AB40-1BA0	1
Green	NO	3SU1150-0AB40-1FA0	1
Green	NO+NC	3SU1150-0AB50-1BA0	1
Blue	1NO	3SU1150-0AB60-1BA0	1
White	1NO	3SU1150-0AB70-1BA0	1
Colorless	1NO	3SU1150-0AB70-1BA0	1

Fully Illuminated Spring Return LED Buttons

Amber	24 AC/DC 1NO	3SU1152-0AB00-1BA0	1
Red	24 AC/DC 1NC	3SU1152-0AB20-1CA0	1
Yellow	24 AC/DC 1NO	3SU1152-0AB30-1BA0	1
Green	24 AC/DC 1NO	3SU1152-0AB40-1BA0	1
Blue Blue	24 AC/DC 1NO	3SU1152-0AB50-1BA0	1
White	24 AC/DC 1NO	3SU1152-0AB60-1BA0	1
Colorless	24 AC/DC 1NO	3SU1152-0AB70-1BA0	1

Amber	230 AC 1NO	3SU1156-0AB00-1BA0	1
Red	230 AC 1NC	3SU1156-0AB20-1CA0	1
Yellow	230 AC 1NO	3SU1156-0AB30-1BA0	1
Green	230 AC 1NO	3SU1156-0AB40-1BA0	1
Blue Blue	230 AC 1NO	3SU1156-0AB50-1BA0	1
White	230 AC 1NO	3SU1156-0AB60-1BA0	1
Colorless	230 AC 1NO	3SU1156-0AB70-1BA0	1

Twin Buttons*

Red - green protruding head	3SU1050-3BB42-0AA0	1
Red - green protruding head with 0-1 written	3SU1050-3BB42-0AK0	1
Red - green with up - down arrow symbol**	3SU1051-3AB42-0AN0	1
Red-green with 0-1 written	3SU1050-3AB42-0AK0	1

*Does not include holder, contact and LED module, must be ordered separately.

** Can be illuminated.

Emergency Stop Mushroom Buttons 40mm

Pull to unlock 1NC "NOT-HALT" plate	3SU1150-1HA20-1CHO	1
Turn to unlock 1NC "NOT-HALT" plate	3SU1150-1HB20-1CHO	1
Turn to unlock 1NC "EMERGENCY STOP" plate	3SU1150-1HB20-1CG0	1
Pull to unlock 1NC	3SU1150-1BA20-1CA0	1

Emergency Stop Mushroom Buttons*

Rotate to unlatch 40 mm	3SU1050-1HB20-0AA0	1
Rotate to unlatch 60 mm	3SU1050-1JB20-0AA0	1
Rotate to unlatch, illuminated 30 mm	3SU1051-1GB20-0AA0	1
Rotate to unlatch, illuminated 40 mm	3SU1051-1HB20-0AA0	1
Rotate to unlatch, illuminated 60 mm	3SU1051-1JB20-0AA0	1
Key to unlock 40 mm	3SU1050-1HF20-0AA0	1

*Does not include holder, contact and LED module, must be ordered separately.



3SU1150-0AB10-1CA0



3SU1152-0AB40-1BA0



3SU1156-0AB50-1BA0



3SU1050-3BB42-0AK0



3SU1150-1HA20-1CHO



3SU1050-1HF20-0AA0



3SU1051-1HB20-0AA0

Note: Holder, contact and LED modules can be selected from the accessories page (page 138).

SIRIUS ACT pushbutton and signaling products

Sirius ACT 22 mm polished metal pushbutton and signal products

Material Type	Order No		Min. Order quantity
SIRIUS ACT LATCH BUTTONS and SIGNAL LAMPS22mmSHINY METALIP69K			



3SU1150-2BF60-1BA0

Complete Latch Buttons

0-1 position illuminable permanent latch button 1NO	3SU1150-2BF60-1BA0		1
0-1 position illuminable permanent latch button 1NO/1NC	3SU1150-2BF60-1MA0		1
1-0-2 position can be illuminated spring return latch button 1NO, 1NO	3SU1150-2BM60-1NA0		1
Illuminable permanent latch button with 1-0-2 positions 1NO, 1NO	3SU1150-2BL60-1NA0		1



3SU1150-4BF11-1BA0

Complete Locking Latch Buttons*

RONIS 0-1 position latch button with lock 1NO	3SU1150-4BF11-1BA0		1
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*Key can be removed in all positions.

Locking Latch Buttons

RONIS 0-1 position locking spring return latch button head	3SU1050-4BC01-0AA0		1
RONIS 1-0-2 position locking spring return latch button head	3SU1050-4BM01-0AA0		1

Electronic Mode Selection Switch Accessories

Mode 1 green switch	3SU1900-0FV40-0AA0		1
Mode 2 yellow switch	3SU1900-0FW30-0AA0		1
Mode 3 red switch	3SU1900-0FX20-0AA0		1
Mode 4 blue switch	3SU1900-0FY50-0AA0		1
Electronic module for electronic mode selection switch	3SU1400-1GC10-1AA0		1



3SU1900-0FW30-0AA0



3SU1400-1GC10-1AA0

Complete LED Signal Lamps

Amber	24 AC/DC	3SU1152-6AA00-1AA0	1
Red	24 AC/DC	3SU1152-6AA20-1AA0	1
Yellow	24 AC/DC	3SU1152-6AA30-1AA0	1
Green	24 AC/DC	3SU1152-6AA40-1AA0	1
Blue Blue	24 AC/DC	3SU1152-6AA50-1AA0	1
White	24 AC/DC	3SU1152-6AA60-1AA0	1
Colorless	24 AC/DC	3SU1152-6AA70-1AA0	1
Red	230 AC	3SU1156-6AA20-1AA0	1
Yellow	230 AC	3SU1156-6AA30-1AA0	1
Green	230 AC	3SU1156-6AA40-1AA0	1
Blue	230 AC	3SU1156-6AA50-1AA0	1
White	230 AC	3SU1156-6AA60-1AA0	1
Colorless	230 AC	3SU1156-6AA70-1AA0	1



3SU1102-0AA30-1AA0



3SU1156-6AA60-1AA0

Note: Holder, contact and LED modules can be selected from the accessories page (page 138).

SIRIUS ACT pushbutton and signaling products

Sirius ACT 30 mm matt metal pushbutton and signal products

Material Type	Order No	Min. Order quantity
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SIRIUS ACT BUTTONS and SIGNAL LAMPS 30 mm MATT METAL FLASS TYPE, IP69K



3SU1060-0JB30-0AA0

Spring Return Buttons*

Black	3SU1060-0JB10-0AA0	1
Red	3SU1060-0JB20-0AA0	1
Yellow	3SU1060-0JB30-0AA0	1
Green	3SU1060-0JB40-0AA0	1
Blue	3SU1060-0JB50-0AA0	1
White	3SU1060-0JB60-0AA0	1



3SU1061-0JB20-0AA0

Illuminated Spring Return Buttons*

Red	3SU1061-0JB20-0AA0	1
Yellow	3SU1061-0JB30-0AA0	1
Green	3SU1061-0JB40-0AA0	1
Blue	3SU1061-0JB50-0AA0	1



3SU1062-2DF60-0AA0

Latch Buttons*

0-1 position lightable permanent latch push button red	3SU1062-2DF20-0AA0	1
0-1 position lightable permanent latch push button green	3SU1062-2DF40-0AA0	1
0-1 position illuminable permanent latch button white	3SU1062-2DF60-0AA0	1
1-0-2 position lightable spring return latch button red	3SU1062-2DM20-0AA0	1
1-0-2 position lightable spring return latch button green	3SU1062-2DM40-0AA0	1
1-0-2 position illuminatable spring return latch push button white	3SU1062-2DM60-0AA0	1
1-0-2 position illuminatable permanent latch push button red	3SU1062-2DL20-0AA0	1
1-0-2 position lightable permanent latch button green	3SU1062-2DL40-0AA0	1
1-0-2 position lightable permanent latch button white	3SU1062-2DL60-0AA0	1



3SU1060-4LF11-0AA0

Locking Latch Buttons**

RONIS 0-1 position locking permanent latch pushbutton	3SU1060-4LF11-0AA0	1
RONIS 1-0-2 position locking permanent latch pushbutton	3SU1060-4LL11-0AA0	1

**Key can be removed in all positions.



3SU1061-0JD70-0AA0

Signal Lamps*

Red	3SU1061-0JD20-0AA0	1
Yellow	3SU1061-0JD30-0AA0	1
Green	3SU1061-0JD40-0AA0	1
Blue	3SU1061-0JD50-0AA0	1
Colorless	3SU1061-0JD70-0AA0	1

*Does not include holder, contact and LED module, must be ordered separately.

Note: Holder, contact and LED modules can be selected from the accessories page (page 138).

SIRIUS ACT pushbutton and signaling products

Sirius ACT accessories

Material Type	Order No	Min. Order quantity
SIRIUS ACT BUTTONS 22mm, IP69K		



3SU1900-0AM10-0AA0

Joystick Control

Mechanical non-locking, 2-way, horizontal, plastic 2NO	3SU1100-7AC10-1NA0	1
Mechanical non-locking, 2-way, vertical, plastic 2NO	3SU1100-7AD10-1NA0	1
Mechanical, 4-way, plastic 4NO	3SU1100-7AF10-1QA0	1



3SU1900-0AM10-0AA0

Potentiometer

1 k ohm plastic potentiometer	3SU1200-2PQ10-1AA0	1
4.7 k ohm plastic potentiometer 10 k ohm plastic potentiometer	3SU1200-2PR10-1AA0	1
	3SU1200-2PS10-1AA0	1

SIRIUS ACT ACCESSORIES

Label Holders



3SU1900-0AM10-0AA0

Label holder 12.5-17.5 mm one side round	3SU1900-0AG10-0AA0	10
Label holder 17.5-27 mm one side round	3SU1900-0AP10-0AA0	10
Label holder 17.5-27 mm	3SU1900-0AH10-0AA0	10
Joystick 2-way label holder	3SU1900-0AL10-0AA0	1
Joystick 4-way label holder	3SU1900-0AM10-0AA0	1

Silicone Protectors

22 mm button silicone protector	3SU1900-0DB70-0AA0	5
Twin button silicone protector	3SU1900-0DG70-0AA0	1

Blind Plug

Plastic blind plug	3SU1900-0FA10-0AA0	5
Metal blind plug	3SU1950-0FA80-0AA0	5

Protection Cover

22 mm press protection cover for pushbuttons	3SU1950-0DV80-0AA0	1
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Potentiometer Accessory

0-9 label for potentiometer	3SU1900-0BG16-0RT0	10
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3SU1900-0BG16-0RT0

SIRIUS ACT pushbutton and signaling products

Sirius ACT accessories

Material Type	Order No	Min. Order quantity
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SIRIUS ACT ACCESSORIES

Holders



3SU1550-0AA10-0AA0



Holder without contact block, compatible with metal and plastic
 Plastic, holder without contact block
 Plastic, large holder for 4 contact blocks
 Metal, large holder for 4 contact blocks

3SU1550-0AA10-0AA0	5
3SU1500-0AA10-0AA0	5
3SU1500-0BA10-0AA0	5
3SU1550-0BA10-0AA0	5

Contact Blocks



3SU1400-1AA10-1HA0

1 NO, contact block
 1 NC, contact block
 1 NO+1 NC Contact block
 1 NC, safety contact block (with assembly monitoring)

3SU1400-1AA10-1BA0	5
3SU1400-1AA10-1CA0	5
3SU1400-1AA10-1FA0	1
3SU1400-1AA10-1HA0	1

LED Modules

3SU1400-1AA10-1BA0



3SU1401-1BB30-1AA0

24 V AC/DC amber LED module
 24 V AC/DC red LED module
 24 V AC/DC yellow LED module
 24 V AC/DC green color LED module
 24 V AC/DC blue color LED module
 24 V AC/DC white color LED module
 230 V AC amber color LED module
 230 V AC red color LED module
 230 V AC yellow color LED module
 230 V AC green color LED module
 230 V AC blue color LED module
 230 V AC white color LED module

3SU1401-1BB00-1AA0	5
3SU1401-1BB20-1AA0	5
3SU1401-1BB30-1AA0	5
3SU1401-1BB40-1AA0	5
3SU1401-1BB50-1AA0	5
3SU1401-1BB60-1AA0	5
3SU1401-1BF00-1AA0	1
3SU1401-1BF20-1AA0	1
3SU1401-1BF30-1AA0	1
3SU1401-1BF40-1AA0	1
3SU1401-1BF50-1AA0	1
3SU1401-1BF60-1AA0	1

LED modules suitable for button box



3SU1401-2BB60-1AA0

24 V AC/DC amber LED module
 24 V AC/DC red LED module
 24 V AC/DC yellow LED module
 24 V AC/DC green color LED module
 24 V AC/DC blue color LED module
 24 V AC/DC white color LED module
 230 V AC amber color LED module
 230 V AC red color LED module
 230 V AC yellow color LED module
 230 V AC green color LED module
 230 V AC blue color LED module
 230 V AC white color LED module

3SU1401-2BB00-1AA0	5
3SU1401-2BB20-1AA0	5
3SU1401-2BB30-1AA0	5
3SU1401-2BB40-1AA0	5
3SU1401-2BB50-1AA0	5
3SU1401-2BB60-1AA0	5
3SU1401-2BF00-1AA0	1
3SU1401-2BF20-1AA0	1
3SU1401-2BF30-1AA0	1
3SU1401-2BF40-1AA0	1
3SU1401-2BF50-1AA0	1
3SU1401 2BF60 1AA0	1

Auxiliary contact blocks suitable for button box



3SU1400-2AA10-1BA0

1NO contact block
 1NC contact block

3SU1400-2AA10-1BA0	5
3SU1400-2AA10-1CA0	5

Emergency Stop Button Accessories



3SU1950-ODX30-0AA0

Plastic protection ring, half
 5 padlock hangable protection ring
 Plastic protection ring, full
 Yellow base plate "EMERGENCY STOP"
 Yellow plastic base plate

3SU1900-0DY30-0AA0	1
3SU1950-ODX30-0AA0	1
3SU1900-0EA30-0AA0	1
3SU1900-0BC31-0DA0	1
3SU1900-0BB31-0AA0	1

SIRIUS ACT pushbutton and signaling products

Sirius ACT boxed button sets



Material Type	Order No	Min. Order quantity
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SIRIUS ACT BOX AND BOXED BUTTON SETS

Boxed Emergency Stop Button Sets

Twist to unlatch, plastic body, 1NC contact, unshielded	3SU1801-0NA00-2AA2	1
Twist to unlatch, plastic body, 1NC contact, shielded	3SU1801-0NA00-2AC2	1
Twist to unlatch, plastic body, 2NC contact, shielded	3SU1801-0NB00-2AC2	1
Twist to unlatch, metal body, 1NC contact, unshielded	3SU1851-0NA00-2AA2	1
Twist to unlatch, metal body, 1NC contact, shielded	3SU1851-0NA00-2AC2	1

Boxed Button Sets

Plastic enclosure 1 green push button 1NO contact	3SU1801-0AB00-2AB1	1
Plastic enclosure 1 red push button 1NC contact	3SU1801-0AC00-2AB1	1
Plastic enclosure 1 black push button 1NC contact	3SU1801-0AE00-2AB1	1
Plastic enclosure 1 green 1 red push button 1NC -1NO contact	3SU1802-0AB00-2AB1	1
Plastic enclosure 1 green 1 red button 1 signal lamp (colorless) 1NO - 1NC contact	3SU1803-0AB00-2AB1	1
Metal enclosure 1 green pushbutton 1NO contact	3SU1851-0AB00-2AB1	1
Metal enclosure 1 red pushbutton 1NC contact	3SU1851-0AC00-2AB1	1
Metal enclosure 1 green 1 red push button 1NO-1NC contact	3SU1852-0AB00-2AB1	1
Metal enclosure 1 green 1 red pushbutton 1 signal lamp (colorless) 1NO-1NC contact	3SU1853-0AB00-2AB1	1

Empty Button Boxes

Plastic 1 hole empty box	3SU1801-0AA00-0AB1	1
Plastic 2 hole empty box	3SU1802-0AA00-0AB1	1
Plastic 3 hole empty box	3SU1803-0AA00-0AB1	1
Plastic 4 hole empty box	3SU1804-0AA00-0AB1	1
Plastic 6 hole empty box	3SU1806-0AA00-0AB1	1
Metal 1 hole empty box	3SU1851-0AA00-0AB1	1
Metal 2 hole empty box	3SU1852-0AA00-0AB1	1
Metal 3 hole empty box	3SU1853-0AA00-0AB1	1
Metal 4 hole empty box	3SU1854-0AA00-0AB1	1
Metal 6 hole empty box	3SU1856-0AA00-0AB1	1
Emergency stop plastic 1 hole empty box	3SU1801-0AA00-0AA2	1
Emergency stop metal 1 hole empty box	3SU1851-0AA00-0AA2	1

NOTE: You can select additional contact blocks suitable for the box from the 3SU1 accessories page (Page:138).

SIRIUS ACT pushbutton and signaling products

Sirius ACT 22 mm plastic pushbutton and signal products

Material Type	Order No		Min. Order quantity
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SIRIUS ACT BUTTON HEADS, 22mm, PLASTICIP69K



3SU1000-0AA20-0AA0

Spring Return Button Heads

Black	3SU1000-0AB10-0AA0		1
Red	3SU1000-0AB20-0AA0		1
Yellow	3SU1000-0AB30-0AA0		1
Green	3SU1000-0AB40-0AA0		1
Blue	3SU1000-0AB50-0AA0		1
White	3SU1000-0AB60-0AA0		1
Colorless	3SU1000-0AB70-0AA0		1



3SU1001-0AA40-0AA0

Illuminatable Spring Return Button Heads

Black	3SU1001-0AB10-0AA0		1
Red	3SU1001-0AB20-0AA0		1
Yellow	3SU1001-0AB30-0AA0		1
Green	3SU1001-0AB40-0AA0		1
Blue Blue	3SU1001-0AB50-0AA0		1
White	3SU1001-0AB60-0AA0		1
Colorless	3SU1001-0AB70-0AA0		1



3SU1000-4BL11-0AA0

Latch Button Heads

Illuminatable permanent latch button with 0-1 position	3SU1002-2BF60-0AA0		1
1-0-2 position illuminable permanent latch button	3SU1002-2BL60-0AA0		1
1-0-2 position illuminable spring return latch button	3SU1002-2BM60-0AA0		1

Interlocking Latch Button Heads



3SU1000-4BL11-0AA0

RONIS 0-1 position latch button with lock	3SU1000-4BF11-0AA0		1
RONIS 1-0-2 position latch button with lock	3SU1000-4BL11-0AA0		1

*Key can be removed in all positions.

Signal Lamp Heads



3SU1001-6AA30-0AA0

Red	3SU1001-6AA20-0AA0		5
Yellow	3SU1001-6AA30-0AA0		5
Green	3SU1001-6AA40-0AA0		5
Blue	3SU1001-6AA50-0AA0		5
White	3SU1001-6AA60-0AA0		5
Colorless	3SU1001-6AA70-0AA0		5

4 Button Heads



3SU1000-3FB11-0AA0

Plastic 4-position pushbutton head	3SU1000-3FB11-0AA0		1
Plastic 4-position pushbutton head (with arrow)	3SU1000-3FB11-0AU0		1

Note: Holder, contact and LED modules can be selected from the accessories page (page 138).

SIRIUS ACT pushbutton and signaling products

Sirius ACT 22 mm polished metal pushbutton and signal products

Material Type	Order No		Min. Order quantity
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SIRIUS ACT BUTTON HEADS, 22mm, METAL, IP69K



3SU1050-0AA10-0AA0

Spring Return Button Heads

Black	3SU1050-0AB10-0AA0		1
Red	3SU1050-0AB20-0AA0		1
Yellow	3SU1050-0AB30-0AA0		1
Green	3SU1050-0AB40-0AA0		1
Blue	3SU1050-0AB50-0AA0		1
White	3SU1050-0AB60-0AA0		1
Colorless	3SU1050-0AB70-0AA0		1



3SU1051-0AA50-0AA0

Illuminatable Spring Return Button Heads

Red	3SU1051-0AB20-0AA0		1
Yellow	3SU1051-0AB30-0AA0		1
Green	3SU1051-0AB40-0AA0		1
Blue	3SU1051-0AB50-0AA0		1
White	3SU1051-0AB60-0AA0		1
Colorless	3SU1051-0AB70-0AA0		1



3SU1052-2BL60-0AA0

Latch Button Heads

Illuminatable permanent latch button with 0-1 position	3SU1052-2BF60-0AA0		1
1-0-2 position illuminable permanent latch button	3SU1052-2BL60-0AA0		1
1-0-2 position illuminable spring return latch button	3SU1052-2BM60-0AA0		1



3SU1051-0AA50-0AA0

Interlocking Latch Button Heads

RONIS 0-1 position latch button with lock	3SU1050-4BF11-0AA0		1
RONIS 1-0-2 position latch button with lock	3SU1050-4BL11-0AA0		1

*Key can be removed in all positions.



3SU1051-6AA30-0AA0

Signal Lamp Heads

Red	3SU1051-6AA20-0AA0		5
Yellow	3SU1051-6AA30-0AA0		5
Green	3SU1051-6AA40-0AA0		5
Blue	3SU1051-6AA50-0AA0		5
White	3SU1051-6AA60-0AA0		5
Colorless	3SU1051-6AA70-0AA0		5

Note: Holder, contact and LED modules can be selected from the accessories page (page 138).

SIRIUS ACT pushbutton and signaling products

Sirius ACT profinet communication pushbutton and signaling products

Material Type	Order No	Min. Order quantity
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SIRIUS ACT PROFINET COMMUNICATION BUTTON and SIGNAL PRODUCTS

Sirius ACT Profinet Main Modules

Sirius ACT Profinet Main Module	3SU1400-1LK10-1AA1	1
Sirius ACT Profinet Trunk Module with Safety	3SU1400-1LL10-1BA1	1
Sirius ACT Profinet Trunk Module 4DI/IDQ	3SU1400-1LK10-1BA1	1

Sirius ACT Contact Terminal Modules

Contact Terminal Module without LED	3SU1400-1MA10-1BA1	1
Contact Terminal Module with Red LED	3SU1401-1MC20-1CA1	1
Yellow LED Contact Terminal Module	3SU1401-1MC30-1CA1	1
Green LED Contact Terminal Module	3SU1401-1MC40-1CA1	1
Blue LED Contact Terminal Module	3SU1401-1MC50-1CA1	1
White LED Contact Terminal Module	3SU1401-1MC60-1CA1	1
Amber LED Contact Terminal Module	3SU1401-1MC00-1CA1	1

Sirius ACT Terminal Modules with LEDs

Red LED Terminal Module	3SU1401-1ME20-1DA1	1
Yellow LED Terminal Module	3SU1401-1ME30-1DA1	1
Green LED Terminal Module	3SU1401-1ME40-1DA1	1
Blue LED Terminal Module	3SU1401-1ME50-1DA1	1
White LED Terminal Module	3SU1401-1ME60-1DA1	1
Amber LED Terminal Module	3SU1401-1ME00-1DA1	1

Sirius ACT LED Modules

Red LED Module	3SU1401-3BA20-5AA0	1
Yellow LED Module	3SU1401-3BA30-5AA0	1
Green LED Module	3SU1401-3BA40-5AA0	1
Blue LED Module	3SU1401-3BA50-5AA0	1
White LED Module	3SU1401-3BA60-5AA0	1
Amber LED Module	3SU1401-3BA00-5AA0	1

Sirius ACT Profinet Cables

5 meter Flat Cable	3SU1900-0KQ80-0AA0	1
10 meter Flat Cable	3SU1900-0KP80-0AA0	1

Sirius ACT Profinet Memory Module

Memory Module	3RK3931-0AA00	1
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3SU1400-1LK10-1AA1



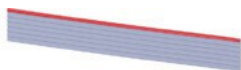
3SU1401-1MC20-1CA1



3SU1401-1MC20-1CA1



3SU1401-1ME60-1DA1



3SU1900-0KQ80-0AA0



3SB2 series pushbutton and signal products

3SB2 16 mm plastic pushbutton and signal products

Material Type	Rated Current (A)	Order No	Min. Order quantity
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3SB2 Plastic Series 16 mm - Program

Complete Start-Stop Buttons

Black Button	1NC	10	3SB2203-0AB01	1
Black Button	1NO	10	3SB2202-0AB01	1
Red Button	1NC	10	3SB2203-0AC01	1
Green Button	1NO	10	3SB2202-0AE01	1

Complete Illuminated Buttons Including Lampholder and 24V Bulb

Red Button	1NC	10	3SB2227-0AC01	1
Yellow Button	1NO	10	3SB2226-0AD01	1
Green Button	1NO	10	3SB2226-0AE01	1

Complete Latch Buttons Permanent 0-1

Black Button	1NO	10	3SB2202-2AB01	1
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Complete Latch Buttons Permanent 1-0-2

Black	1NO+1NO	10	3SB2210-2DB01	1
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Complete Latch Buttons Spring Loaded 1-0-2

Black	1NO+1NO	10	3SB2210-2EB01	1
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Mushroom Button

Red permanent 1NC With yellow "NOT-AUS" base plate		10	3SB2203-1AC01	1
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Complete Signal Lamps Including Lampholder and 24 V Bulb

Red			3SB2224-6BC06	1
Yellow			3SB2224-6BD06	1
Green			3SB2224-6BE06	1
White			3SB2224-6BG06	1

Accessories

Contact Block	1NO		3SB2404-0B	1
Contact Block	1NC		3SB2404-0C	1
Signal lamp sensor	24V Bulb Included		3SB2304-2H	1
Label Holder			3SB2902-0AB	10

SIRIUS 3SU1 Dual Hand Consoles and Accessories

Dual-Hand console, Plastic (Buttons included)			3SU1803-3NB00-1AE1	1
Dual-Hand console, Metal (Buttons included)			3SU1853-3NB00-1AA1	1
Dual-Hand console, Metal (Buttons included, 4x holes ready for additional button mounting)			3SU1853-3NB00-1AD1	1
Double-hand console leg			3SU1950-0HN10-0AA0	1

SIRIUS 3SE2 Foot Pedals

Unprotected, Single Foot Pedal (1NO+ 1NC)			3SE2902-0AB20	1
Unprotected, Single Foot Pedal (2NO+ 2NC)			3SE2903-1AB20	1
Metal Protected, Single Foot Pedal (1NO+ 1NC)			3SE2902-0AA20	1
Metal Protected, Single Foot Pedal 2NO+ 2NC)			3SE2903-1AA20	1
Unprotected, Dual Foot Pedal (1NO+ 1NC)			3SE2932-0AB20	1
Unprotected Dual Foot Pedal (2NO+ 2NC)			3SE2932-1AB20	1
Metal Protected, Dual Foot Pedal (2NO+2NC)			3SE2932-1AA20	1
Single, 13850 Compliant Foot Pedal with Metal Shield (2NO+2NC)			3SE2924-3AA20	1



3SB2202-0AE01



3SB2226-0AD01



3SB2202-2AB01



3SB2203-1AC01



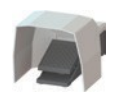
3SB2404-0B



3SU1853-3NB00-1AA1



3SU1950-0HN10-0AA0



3SE2903-1AA20



3SE2932-1AB20



3SE2932-1AA20



3SE2924-3AA20

SIRIUS safety relays

3SK1 safety relays



Description	Supply Voltage	Adjustable Time Delay (sec)	Reset Start	Exit		Order No
				Safety	Standard	

SIRIUS 3SK1 Standard Safety Relays

Emergency Stop, Mechanical Safety Switch, Magnetic Safety Switch, Light Curtain or Area Scanner Monitoring

Cat 4/Sil 3/Pl e	24 V AC/DC	-	OD	3NO	1NC	3SK1111-2AB30
Cat 4/Sil 3/Pl e	24V DC	-	OD	2TR	1TR	3SK1112-2BB40

Emergency Stop, Mechanical Safety Switch or Magnetic Safety Switch Monitoring

Cat 4/Sil 3/Pl e	110-240V AC/DC	-	OD	3NO	1NC	3SK1111-2AW20
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SIRIUS 3SK1 Advanced Safety Relays

Two-Hand, Emergency Stop, Mechanical Safety Switch, Magnetic Safety Switch, Light Curtain or Area Scanner Monitoring

Cat 4/Sil 3/Pl e	24V DC	-	OD	3NO	1NC	3SK1121-2AB40
Cat 4/Sil 3/Pl e	24V DC	-	OD	3TR	1TR	3SK1122-2AB40
Cat 4/Sil 3/Pl e	24V DC	-	OD	1TR	-	3SK1120-2AB40
Cat 4/Sil 3/Pl e	24V DC	0,05..3	OD	2NO-2NO(t)	-	3SK1121-2CB41
Cat 4/Sil 3/Pl e	24V DC	0,5..30	OD	2NO-2NO(t)	-	3SK1121-2CB42
Cat 4/Sil 3/Pl e	24V DC	5..300	OD	2NO-2NO(t)	-	3SK1121-2CB44
Cat 4/Sil 3/Pl e	24V DC	0,05..3	OD	2TR-2TR(t)	-	3SK1122-2CB41
Cat 4/Sil 3/Pl e	24V DC	0,5..30	OD	2TR-2TR(t)	-	3SK1122-2CB42
Cat 4/Sil 3/Pl e	24V DC	5..300	OD	2TR-2TR(t)	-	3SK1122-2CB44



SIRIUS 3SK1 Output Expansion Modules

Cat 4/Sil 3/Pl e	24V DC	-	-	4NO	1NC	3SK1211-2BB40
Cat 4/Sil 3/Pl e	110-240V AC/DC	-	-	4NO	1NC	3SK1211-2BW20

SIRIUS 3SK1 Input Expansion Module

2 X 1 Channel or 1 x 2 Channel Monitoring	-	-	-	-	-	3SK1220-2AB40
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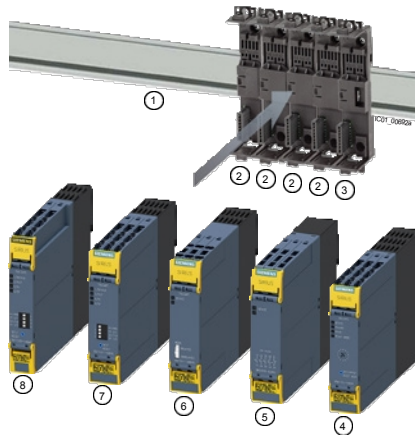
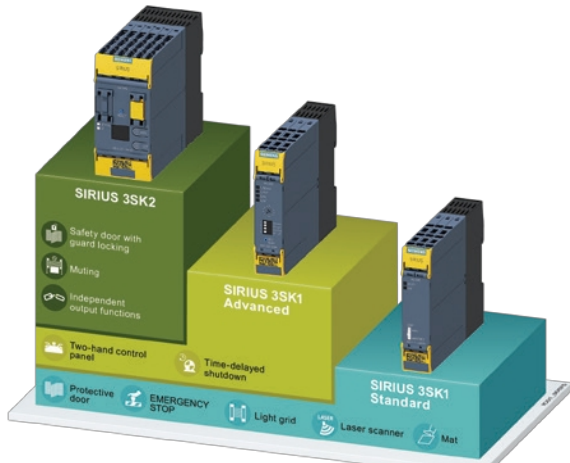


SIRIUS 3SK1 Optional Accessories

Power supply	-	-	-	-	-	3SK1230-2AW20
Device connector, type 1, 17,5 mm	-	-	-	-	-	3ZY1212-1BA00
Device connector, type 1, 22,5 mm	-	-	-	-	-	3ZY1212-2BA00
Device termination connector, type 1, 22,5 mm	-	-	-	-	-	3ZY1212-2DA00

NOTE: O/D stands for Automatic and supervised Reset-Start.

NOTE: You can download the product detailed user manual from support.industry.siemens.com by typing 67585885 in the search field.



SIRIUS safety relays

3SK2 safety relays



3SK2 Main Module



3SK2 Software

Material Type	Order No
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SIRIUS 3SK2 Parameterizable safety relays

3SK2 Parameterizable Safety Relay 22.5 mm 10 Safety Inputs, 2 Safety Outputs, 1 Signal Output	3SK2112-2AA10
3SK2 Parameterizable Safety Relay 45 mm 20 safe inputs, 4 safe outputs, 2 signal outputs	3SK2122-2AA10
3SK2 PROFINET Communication Module*	3SK2511-2FA10
0.025 m Flat Connection Cable (required for Profinet module connection)	3UF7930-0AA00-0

SIRIUS 3SK2 starter pack, software and programming cable

SIRIUS 3SK2 Starter Pack (3SK2 Parameterizable Safety Relay 22.5mm and USB Programming Cable. Downloadable Safety ES V18 Basic Software)	3SK2941-2AA11
SIRIUS 3SK2 PROFINET Starter Package (3SK2 Parameterizable Safety Relay 45 mm, PROFINET communication module, RJ45 cable and Safety ES V18 Professional Software)	3SK2942-2AA11
SIRIUS Safety ES V20 (TIA Portal) Professional License (Software DVD and license key in USB)*	3ZS1326-2CC13-0YA5
SIRIUS Safety ES V20 (TIA Portal) Professional License (Downloadable license key)*	3ZS1326-2CE13-0YB5
SIRIUS Safety ES V1.to V19 Update License*	3ZS1326-2CC12-0YE5
PC Connection Cable USB	3UF7941-0AA00-0

* You can download SIRIUS Safety ES V20 software from the link below and use the basic version for free.

[https://support.industry.siemens.com/cs/document/109974066/sirius-safety-es-v20-\(tia-portal\)?dti=0&lc=en-JP](https://support.industry.siemens.com/cs/document/109974066/sirius-safety-es-v20-(tia-portal)?dti=0&lc=en-JP)

SIRIUS 3SK2 connection connectors

22.5mm 3SK2 Parameterizable Safety Relay Expansion Connector	3ZY1212-2GA00
455 mm 3SK2 Parameterizable Safety Relay Expansion Connector	3ZY1212-4GA01



3TK2810-0BA02



3TK2810-1BA42

SIRIUS 3TK28 safety relays

NEW

Safe stop monitoring relay - Suitable for use without sensor and with drive - SIL3/PLe Control voltage : 24V DC, adjustable stop time 0.2-6 s, spring connection, 3NO+1NC contact	3TK2810-0BA02
Control voltage : 230V AC, adjustable stop time 0.2-6 s, spring connection, 3NO+1NC contact	3TK2810-0GA02
Safe speed monitoring relay - for NPN/PNP switches and encoders - SIL3/PLe Control voltage : 24V DC, adjustable release delay 0-999 s, spring connection, 3 dual channel safe inputs, 2 safe outputs, 2 signal outputs	3TK2810-1BA42
Control voltage : 120-240C AC/DC, adjustable release delay 0-999 s, spring connection, 3 dual channel safe inputs, 2 safe outputs, 2 signal outputs	3TK2810-1KA42



NOTE: For conversion support from 3TK28 series products to 3SK1 series products, please call our call center at **444 0 747**.

With the Sirius Safety Integrated Application Manual (SIAM), which you can download from the link below, you can benefit from ready-made sample safety circuits in accordance with the regulations. You can download and use the control diagrams of the sample circuits, ready-made sample programs and safety evaluation reports free of charge.

<https://support.industry.siemens.com/cs/document/81366718?caller=view&lc=en-VW>

SIRIUS safety switches

SIRIUS 3SE5 hinge and mechanical safety switches

Description	Number of Contacts	Body Type	Order No
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SIRIUS Hinge Safety Switches



Body Width 31 mm, Hollow Shaft

Operation Angle 10 Degrees, IP 65
Operation Angle 10 Degrees, IP 66/67

1NO / 2NC	PLASTIC	3SE5232-0LU21
1NO / 2NC	METAL	3SE5212-0LU21

Body Width 31 mm, Standard Shaft

Operation Angle 10 Degrees, IP 65
Operation Angle 10 Degrees, IP 66/67

1NO / 2NC	PLASTIC	3SE5232-0LU22
1NO / 2NC	METAL	3SE5212-0LU22



Body Width 40 mm, Hollow Shaft

Operation Angle 10 Degrees, IP 66/67
Operation Angle 10 Degrees, IP 66/67

1NO / 2NC	PLASTIC	3SE5132-0LU22
1NO / 2NC	METAL	3SE5112-0LU22

Body Width 40 mm, Standard Shaft

Operation Angle 10 Degrees, IP 66/67
Operation Angle 10 Degrees, IP 66/67

1NO / 2NC	PLASTIC	3SE5132-0LU21
1NO / 2NC	METAL	3SE5112-0LU21



Integrated Hinged

Aluminum Hinge, Operating Angle 8 Degrees, IP 65 Steel Hinge,
Operating Angle 4 Degrees, IP 65

1NO / 2NC	PLASTIC	3SE2283-0GA53
1NO / 2NC	PLASTIC	3SE2283-0GA44

Description	Number of Contacts	LED	Body Type	Order No
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SIRIUS 3SE5 Mechanical Safety Switches

Body Width 31 mm, 360 Rotating Head, IP 65



Standard Type
Standard Type
Standard Type
Standard Type
Yellow / Green with 2 LEDs
Yellow / Green with 2 LEDs

1NO-1NC		PLASTIC	3SE5232-0RV40
1NO-2NC		PLASTIC	3SE5232-0QV40
1NO-1NC		METAL	3SE5212-0RV40
1NO-2NC		METAL	3SE5212-0QV40
1NO-1NC	24VDC	PLASTIC	3SE5232-1RV40
1NO-1NC	24VDC	METAL	3SE5212-1RV40



Body Width 40 mm, 360 Rotating Head, IP 66/67

Standard Type
Standard Type
Yellow / Green with 2 LEDs

1NO-2NC		PLASTIC	3SE5132-0QV20
1NO-2NC		METAL	3SE5112-0QV10
1NO-2NC	24VDC	PLASTIC	3SE5132-1QV20



Body Width 50 mm, 360 Rotating Head, IP 66/67

Standard Type
Yellow / Green with 2 LEDs

1NO-2NC		PLASTIC	3SE5242-0QV40
1NO-2NC	24VDC	PLASTIC	3SE5242-1QV40

Body Width 56 mm, 360 Rotating Head, IP 66/67

Standard Type
Yellow / Green with 2 LEDs

1NO-2NC		METAL	3SE5122-0QV10
1NO-2NC	24VDC	METAL	3SE5122-1QV10

- When ordering a Mechanical Safety switch, the actuator is **not included** in the order.

- The actuator suitable for the application must be ordered separately by selecting from page 151.

SIRIUS safety switches

SIRIUS 3SE5 mechanically interlocked safety switches and actuators

Description	Number of Contacts	LED Yellow / Green	Body Type	Order No
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SIRIUS 3SE5 - Safety Switches with Mechanical Interlocking

24VDC Coil Unlocks When Energized, 360 Rotating Head, IP66/67

1300N	1NO/2NC+1NO+2NC	-	PLASTIC	3SE5322-0SD21
2600N	1NO/2NC+1NO+2NC	-	METAL	3SE5312-0SD11
1300N	1NO/2NC+1NO+2NC	24VDC	PLASTIC	3SE5322-1SD21
2600N	1NO/2NC+1NO+2NC	24VDC	METAL	3SE5312-1SD11



3SE5322-0SD21

24VDC Coil Unlocks When Energized, 360 Rotating Head, IP66/67

1300N	1NO/2NC+1NO+2NC	-	PLASTIC	3SE5322-0SE21
1300N	1NO/2NC+1NO+2NC	24VDC	PLASTIC	3SE5322-1SE21



3SE5322-0SE21

24VDC Coil Unlocks When Energized, 360 Rotating Head, IP66/67, Rear Emergency Exit Button

1300N	1NO/2NC+1NO+2NC	-	PLASTIC	3SE5322-0SG21
1300N	1NO/2NC+1NO+2NC	24VDC	PLASTIC	3SE5322-1SG21



3SE5322-0SG21

24VDC Coil Unlocks When Energized, 360 Rotating Head, IP66/67

1300N	1NO/2NC+1NO+2NC	-	PLASTIC	3SE5322-0SB21
2600N	1NO/2NC+1NO+2NC	-	METAL	3SE5312-0SB11
1300N	1NO/2NC+1NO+2NC	24VDC	PLASTIC	3SE5322-1SB21
2600N	1NO/2NC+1NO+2NC	24VDC	METAL	3SE5312-1SB11



3SE5322-0SB21

- When a Mechanical Interlocking Safety Switch is ordered, the actuator **is not included** in the order.
- The actuator suitable for the application must be ordered separately from the actuator list.

Explanations	Order No
--------------	----------

3SE5 Actuators

Standard Actuator, Length 75.6 mm Actuator,

Vertical Fixing, Length 53 mm Actuator,

Horizontal Fixing, Length 47 mm

Angle Actuator, Length 51 mm, Left Angle Approach to Switch

Angle Actuator, Length 51 mm, Right Angle Approach to Switch

Angle Actuator, Length 77 mm

Angle Actuator (Heavy Duty), Length 67 mm

Plastic Actuator, Horizontal Fixing, Length 40 mm*

Optional Accessories

Steel Tongue, Actuator Entry Blocking, Up to 8 Padlocks Hangable

Connection Accessories

Cable Gland (M20 x 1,5)

* The plastic actuator **is not** suitable for use with interlocking safety switches.

3SE5000-0AV01
3SE5000-0AV02
3SE5000-0AV03
3SE5000-0AV04
3SE5000-0AV06
3SE5000-0AV05
3SE5000-0AV07-1AK2
3SE5000-0AW11
3SE5000-0AV08-1AA3
3SX9926



3SE5000-0AV01



3SE5000-0AV02



3SE5000-0AV03



3SE5000-0AV04



3SE5000-0AV05



3SE5000-0AV06-1AK2



3SE5000-0AV07-1AK2



3SE5000-0AV08-1AA3

SIRIUS safety switches

SIRIUS 3SE6 RFID and magnetic safety switches

Description	Holding Force	Order No	
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SIRIUS 3SE6 RFID and Magnetic Safety Switches

RFID Coded Switch (M12 Socket), IP 69K

Coded
Coded
Unique Coded (Can be taught multiple times)
Unique Coded (Can be taught multiple times)

none	3SE6315-0BB01-1AP0	
18N	3SE6315-1BB01-1AP0	
Yok	3SE6315-0BB02-1AP0	
18N	3SE6315-1BB02-1AP0	

RFID Actuator

Standard
Standard

none	3SE6310-0BC01	
18N	3SE6310-1BC01	



RFID Coded Mechanical Interlocking Safety Switch (M12 Socket), IP 69

Coded
Unique Coded - Closed circuit (Can be taught multiple times)
Coded - Closed circuit
Unique Coded (can be taught multiple times)
Coded - Emergency exit button

1150N	3SE6415-1AB01	
1150N	3SE6415-1AB02	
1150N	3SE6415-1BB01	
1150N	3SE6415-1BB02	
1150N	3SE6415-1CB01	

RFID Actuator

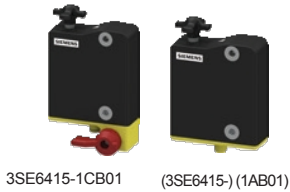
Standard

1150N	3SE6410-1AC01	
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RFID Safety Switch Connection Cable, M12, 8 Pole

3 m
5 m
10 m

3SX5601-2GA03	
3SX5601-2GA05	
3SX5601-2GA10	



3SX5601-2GA03

Magnetic (Coded) Safety Switches (25 x 88), IP 67

NEW

Magnetic Switch

Magnetic switch, M8 socket, 4 pole with LED (2NC contact)
Magnetic switch, 3 m cable (2NC+ 1 NC contact)

3SE6614-4CA01	
3SE6617-2CA04	

Actuator

Actuator

3SE6714-2CA	
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Connection Cable

3SE66 5m Extension Cable for M8 Socket

3SX5601-3GA05	
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Magnetic (Coded) Safety Switches (25 x 36), IP 67

NEW

Magnetic Switch

Magnetic switch, 8 mm, 6 Pole Catch Connection (2 NC+ 1 NC Contact) Magnetic switch, 3 m
Cable (2NC+ 1 NC Contact)

3SE6617-3CA01	
3SE6617-3CA04	

Actuator

Actuator

3SE6714-3CA	
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Connection Cable

3SE66 Catch Connection 5m Extension Cable

3SX5601-4GA05	
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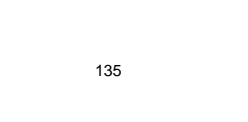
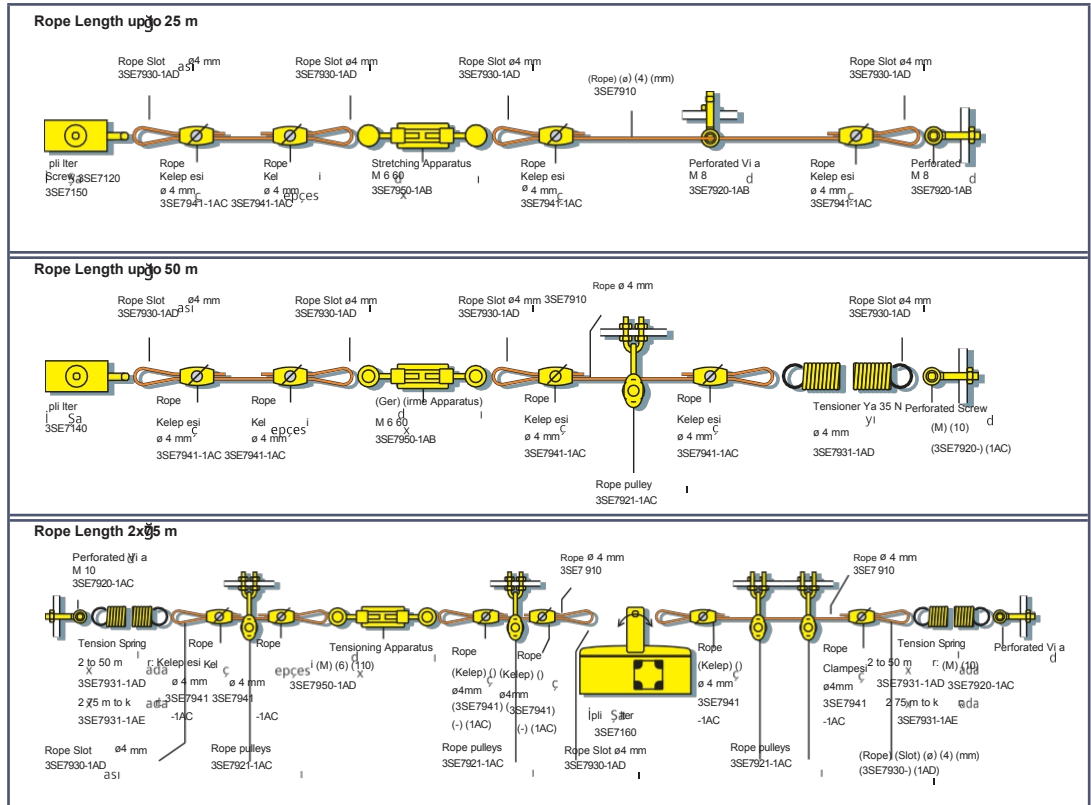


3SE6714-2CA
3SE6614-4CA01

- 3SE6 31-RFID or 3SE6 Magnetic safety switches P I e according to EN ISO 13849-1, Sil 3 according to EN 62061 and can be used in applications up to Cat 4 according to EN 954-1.
- RFID and Magnetic Safety Switch set consists of actuator and switch. Must be ordered separately.

SIRIUS safety switches

SIRIUS 3SE7 rope emergency stop and tape recording switches



Description	Order No
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SIRIUS 3SE7 Emergency Stop Switches with Drawstring Metal Body

- Up to 10m, 2NC contact, Yellow cover, IP65, Locking and button reset
- Up to 10m, 2NC+1NO contact, Yellow cover, IP65, Locking and button reset
- Up to 25m, 1NC+1NO contact, IP65, Locking and button reset
- Up to 25m, 2NC+1NO contact, Yellow cover, IP65, Locking and button reset
- Up to 25m, 1NC+1NO contact, 24VDC LED, Yellow cover, IP65, Locking and button reset
- Up to 50m, 1NC+1NO contact, IP65, Locking and button reset
- Up to 50m, 2NC contact, IP65, Locking and button reset
- Up to 75m, 3NC+1NO contact, Integrated Emergency Stop Button, IP67
- Up to 2X75m, Two Way, 2NC + 2NO contact, IP 65, Locking and button reset

3SE7120-1BF00	
3SE7120-1BH00	
3SE7150-1BD00	
3SE7150-1BH00	
3SE7150-1BD04	
3SE7140-1BD00	
3SE7140-1BF00	
3SE7141-1EG10	
3SE7160-1AE00	

Accessories

- 10m Steel Rope
- 20m Steel Rope
- 50m Steel Rope
- Cable Clamp, Oval, 2x 4 mm
- Tension Spring, 35N, for Connections up to 50m
- Tension Spring, for Applications Greater than 35N, for Connections up to 2x75m
- Tension Device, for fine adjustment of pre-tension, M6 x 60
- Tension Device, for fine adjustment of pre-tension, M6 x 110
- Rope Pulley, Used to change the direction of the rope, 4 mm
- Rope Pulley Fixing Device
- Hole Screw, M8, Used to Fix the Rope
- Rope Slot, for reinforced transmission at rope direction change and fixing points, 4 mm

3SE7910-3AA	
3SE7910-3AC	
3SE7910-3AH	
3SE7941-1AC	
3SE7931-1AD	
3SE7931-1AE	
3SE7950-1AB	
3SE7950-1AD	
3SE7921-1AC	
3SE7921-1AA	
3SE7920-1AB	
3SE7930-1AD	

Tape Recording Switch, Metal Housing

- 2NO+ 2NC Contact, IP 65
- 2NO+ 2NC Contact, IP 65, 24VDC with LED

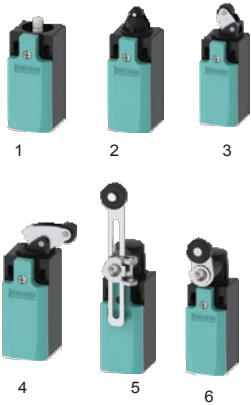
3SE7310-1AE00	
3SE7310-1AE04	

SIRIUS final switches

SIRIUS 3SE5 position switches

Description	Res. No	Order No	Min. Order quantity
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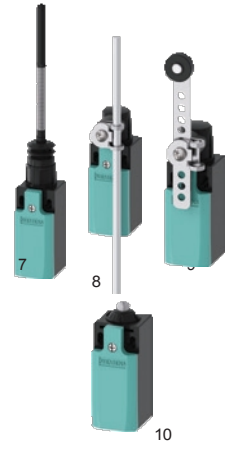
31 mm Complete Set, 1NO-1NC Momentary Action Contact



Plastic Body

- Vertical Teflon button driven
- Vertical plastic spool (10 mm diameter) driven
- Plastic spool (13 mm diameter) with lever drive
- Diagonal plastic spool (13 mm diameter) driven
- Left-right plastic roller (19 mm diameter) drive with adjustable arm length
- FORWARD-REVERSE plastic roller (19 mm diameter) driven, arm length 21 mm
- Spiral spring driven
- Driven aluminum rod (200 mm) with adjustable arm length

1	3SE5232-0CC05		1
2	3SE5232-0HD03		1
3	3SE5232-0HE10		1
4	3SE5232-0HF10		1
5	3SE5232-0HK50		1
6	3SE5232-0HK21		1
7	3SE5232-0HR01		1
8	3SE5232-0HK80		1

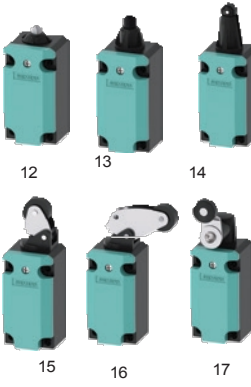


Metal Body

- Vertical Teflon button driven
- Vertical stainless steel pushbutton driven
- Vertical plastic spool (10 mm diameter) driven
- Plastic spool (13 mm diameter) lever driven
- Diagonal plastic spool (13 mm diameter) driven
- FORWARD-REVERSE plastic roller (19 mm diameter) driven,
- Left-right plastic roller (19 mm diameter) driven with adjustable arm length (perforated)
- Left-right plastic roller (19 mm diameter) drive with adjustable arm length

1	3SE5212-0CC05		1
10	3SE5212-0CB01		1
2	3SE5212-0CD03		1
3	3SE5212-0CE10		1
4	3SE5212-0CF10		1
6	3SE5212-0CK21		1
9	3SE5212-0CK60		1
5	3SE5212-0CK50		1

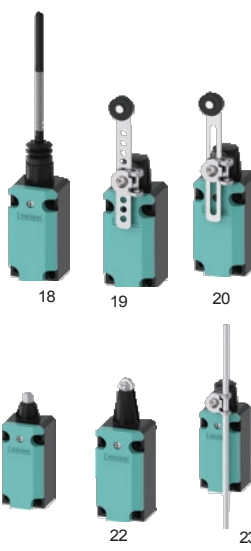
40 mm Complete Set, 1NO-1NC Momentary Action Contact



Plastic Body

- Vertical stainless steel push button driven
- Vertical stainless steel roller (13 mm diameter) driven
- Plastic roller (22 mm diameter) driven by arm
- Diagonal plastic roller (22 mm diameter) driven
- FORWARD-REVERSE plastic roller (19 mm diameter) driven, arm length 27 mm
- Spiral spring driven
- FORWARD-REVERSE plastic roller (19 mm diameter) driven, arm length 27 mm
- Adjustable arm length (with holes), FORWARD-REVERSE plastic roller (19 mm diameter) driven
- Adjustable arm length FORWARD-REVERSE plastic roller (19 mm diameter) driven
- Adjustable arm length aluminum rod (200 mm) driven

12	3SE5132-0CB01		1
13	3SE5132-0CC03		1
14	3SE5132-0CD05		1
15	3SE5132-0CE05		1
16	3SE5132-0CF05		1
17	3SE5132-0CJ01		1
18	3SE5132-0CR01		1
19	3SE5132-0CJ60		1
20	3SE5132-0CJ50		1
23	3SE5132-0CJ80		1



Metal Body

- Vertical stainless steel push button driven
- Vertical stainless steel roller (13 mm diameter) driven
- Plastic roller (22 mm diameter) driven by arm
- Diagonal plastic roller (22 mm diameter) driven
- FORWARD-REVERSE plastic roller (19 mm diameter) driven, arm length 27 mm
- Spiral spring driven
- FORWARD-REVERSE plastic roller (19 mm diameter) driven, arm length 27 mm
- Adjustable arm length (with holes), FORWARD-REVERSE plastic roller (19 mm diameter) driven
- Adjustable arm length FORWARD-REVERSE plastic roller (19 mm diameter) driven
- Adjustable arm length aluminum rod (200 mm) driven

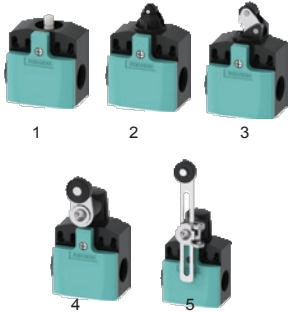
21	3SE5112-0CC02		1
22	3SE5112-0CD02		1
15	3SE5112-0CE01		1
16	3SE5112-0CF01		1
17	3SE5112-0CH02		1
18	3SE5112-0CR01		1
17	3SE5112-0CH01		1
19	3SE5112-0CH60		1
20	3SE5112-0CH50		1
23	3SE5112-0CH80		1

SIRIUS final switches

SIRIUS 3SE5 final switches

Description	Res. No	Order No	Min. Order quantity
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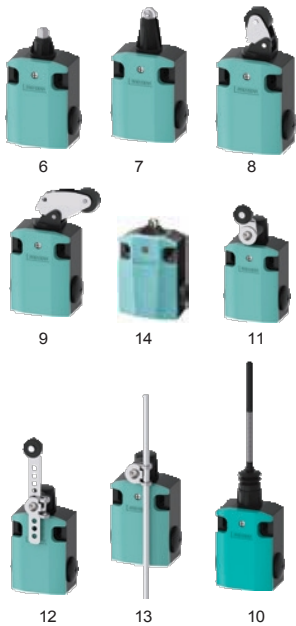
50 mm Complete Set, 1NO-1NC Momentary Action Contact



Plastic Body

- Vertical Teflon button driven
- Vertical plastic reel (10 mm diameter) driven
- Plastic reel (13 mm diameter) driven
- FORWARD-REVERSE plastic roller (19 mm diameter) driven
- Left-right plastic roller (19 mm diameter) drive with adjustable arm length

1	3SE5242-0CC05	1
2	3SE5242-0HD03	1
3	3SE5242-0HE10	1
4	3SE5242-0HK21	1
5	3SE5242-0HK50	1



56 mm Complete Set, 1NO-1NC Momentary Action Contact

Metal Body

- Vertical stainless steel push-button driven
- Vertical stainless steel spool (13 mm diameter) driven Plastic spool (22 mm diameter) with lever drive
- Diagonal plastic spool (22 mm diameter) driven
- Spiral spring driven
- FORWARD-REVERSE plastic roller (19 mm diameter) driven, arm length 27 mm
- FORWARD-REVERSE plastic roller (19 mm diameter) driven with adjustable arm length (perforated)
- Driven aluminum rod (200 mm) with adjustable arm length
- Vertical stainless steel push-button driven
- FORWARD-REVERSE steel spool driven (19 mm diameter) driven double spool, double arm
- FORWARD-REVERSE steel roller driven, arm length 27 mm
- Left-right plastic roller (19 mm diameter) drive with adjustable arm length

6	3SE5122-0CC02	1
7	3SE5122-0CD02	1
8	3SE5122-0CE01	1
9	3SE5122-0CF01	1
10	3SE5122-0CR01	1
11	3SE5122-0CH01	1
12	3SE5122-0CH60	1
13	3SE5122-0CH80	1
14	3SE5122-0CB01	1
15	3SE5122-0CT11	1
16	3SE5122-0CH50	1

30 mm Compact Complete Set, 1NO-1NC Momentary Action Contact



Metal Body

- Vertical push-button driven
- Vertical level adjustable push button driven (M12X1)
- Vertical roller driven
- FORWARD-REVERSE roller driven
- Vertical push-button driven

17	3SE5413-0CC20-1EA2	1
18	3SE5413-0CC21-1EA2	1
19	3SE5413-0CD20-1EA2	1
20	3SE5413-0CN20-1EA2	1
21	3SE5413-0CC22-1EA2	1

30 mm Open Type End Switch

- Teflon pushbutton actuated, 1NO/1NC, IP 20, 30 mm
- Teflon pushbutton actuated, 1NO/1NC, IP 10, 30 mm

22	3SE5250-0CC05	1
-	3SE5250-0LC05	1



* Accessories and spare heads can be selected on page 156.

SIRIUS position switches

SIRIUS 3SE5 position switches accessories



SIRIUS 3SE5 Heads

Protection cover (for 3SE5.....-C05 series)*

Vertical stainless steel button*

Vertical plastic roller (10mm diameter)*

Vertical stainless steel roller (10mm diameter)*

Vertical plastic roller (center fixing)*

Vertical stainless steel roller (10mm diameter) (Center Fixing)*

Plastic roller (13mm diameter) with handle*

Diagonal plastic roller (13mm diameter)*

Spiral spring, plastic total length 142.5mm*

Vertical stainless steel button*

Vertical stainless steel roller (13mm diameter)*

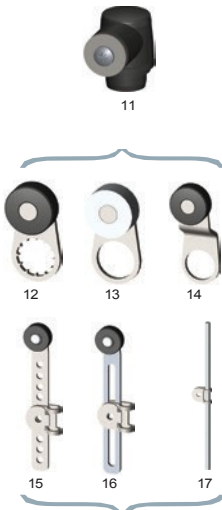
Plastic roller (22mm diameter) with handle*

Diagonal plastic roller (22mm diameter)*

Spiral spring, stainless steel (total length 142.5mm)*

Res. No	Order No	Min. Order quantity
1	3SE5000-0AC30	1
2	3SE5000-0AB01	1
3	3SE5000-0AD03	1
3	3SE5000-0AD04	1
4	3SE5000-0AD10	1
4	3SE5000-0AD11	1
5	3SE5000-0AE10	1
6	3SE5000-0AF10	1
7	3SE5000-0AR01	1
8	3SE5000-0AC02	1
9	3SE5000-0AD02	1
10	3SE5000-0AE01	1
6	3SE5000-0AF01	1
7	3SE5000-0AR02	1

SIRIUS 3SE5 FORWARD-REVERSE Angular Moving Heads



FORWARD-REVERSE drive basic element (plastic)*

FORWARD-REVERSE drive basic element (metal)*

FORWARD-REVERSE, plastic pulley (19 mm diameter), arm length 21 mm*

FORWARD-REVERSE, metal pulley (19 mm diameter), arm length 21 mm*

FORWARD-REVERSE, plastic pulley (19 mm diameter), arm length 35 mm*

FORWARD-REVERSE, plastic pulley (19 mm diameter) with adjustable arm length (with holes)*

FORWARD-REVERSE, plastic pulley (19 mm diameter) with adjustable arm length*

Adjustable lever with adjustable arm length (200 mm)*

Slow Action, 1NO-1NC*

Snap Action, 1NO-1NC*

Snap Action gold plated 1NO-1NC*

Slow Action, 1NO-2NC*

Snap Action, 1NO-2NC*

Slow Action with make break before, 1NO-2NC*

11	3SE5000-0AK00	1
11	3SE5000-0AH00	1
12	3SE5000-0AA21	1
13	3SE5000-0AA22	1
14	3SE5000-0AA15	1
15	3SE5000-0AA60	1
16	3SE5000-0AA50	1
17	3SE5000-0AA80	1
-	3SE5000-0BA00	1
-	3SE5000-0CA00	1
-	3SE5000-0CA00-1AC1	1
-	3SE5000-0KA00	1
-	3SE5000-0LA00	1
-	3SE5000-0MA00	1

Cable Connection Accessories



1



2

M12, 0.25mm²4 Pole, max 250V, 4A*

M12, 0.25mm²5 Pole, max 250V, 4A*

Gland*

1	3SY3127	1
1	3SY3128	1
2	3SX9926	1

* Not suitable for use with SIRIUS 3SE5250 Open type switches and 3SE5413 Compact end switches.



SUITABLE FOR

New **SIRIUS 8WD46** signal columns
it offers much more than just a
beautiful light.

www.siemens.com/sirius-signaling-columns

SIEMENS

SIRIUS signal columns

SIRIUS 8WD46 signal columns

Description	Order No	
9 segments, without acoustics		NEW
24 V standard, M12 plug, 8-pin IO-Link, M12 plug, 4-pin	8WD4613-5HH37	
	8WD4613-5HH47	
9 segments, with acoustics		NEW
24 V standard, M12 plug, 8-pin IO-Link, M12 plug, 4-pin	8WD4613-5JH37	
	8WD4613-5JH47	
15 segments, without acoustics		NEW
24 V standard, M12 plug, 8-pin IO-Link, M12 plug, 4-pin	8WD4615-5HH37	
	8WD4615-5HH47	
15 segments, with acoustics		NEW
24 V standard, M12 plug, 8-pin IO-Link, M12 plug, 4-pin	8WD4615-5JH37	
	8WD4615-5JH47	

*See p. 157 for accessories.

Wide range of signal variants:

- Singular mode allows each segment to be activated separately.
- LEDs with more than 1 million color scales.
- Different Light Effects:
 - Continuous flashing (3/2/1 Hz),
 - Flashing (1x/2x/3x),
 - Rotating light (70 RPM).
- Signal Modes:
 - Automatic scaling,
 - Filling level,
 - Signal column and singular.
- Acoustic Component:
 - 10 adjustable voice tones. (sound level max. 105dB)



*Suitable for outdoor and indoor use in IP66, IP69K, NEMA 4, 4X, 12, 13 protection classes.

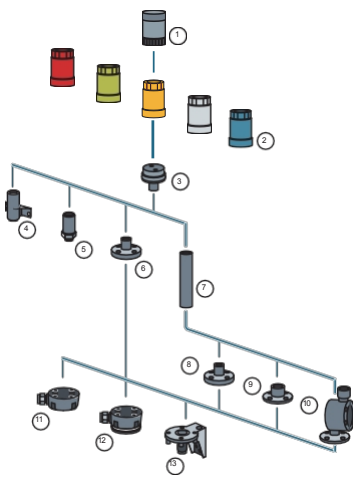
8WD46 for the configuration tool:



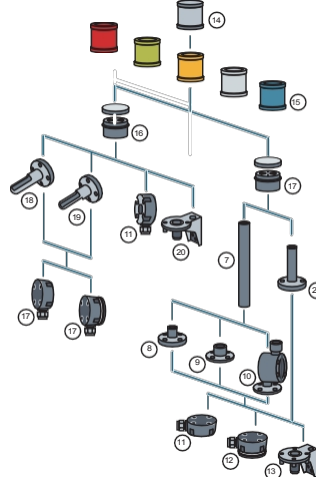
SIRIUS signal columns

SIRIUS 8WD signal columns

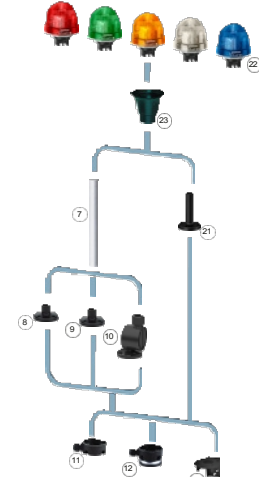
8WD 50 mm Signal Columns



8WD 70 mm Signal Columns



8WD Single Signal Columns



Description	Icon No	Order No	
-------------	---------	----------	--

Horn

- 80 db, 24VAC/DC, 50mm
- 80 db, 230VAC, 50 mm
- 85 dB, Pulse or continuous tone adjustable 24VAC/DC, 70mm
- 100 dB, 8 Tone, Volume adjustable 230VAC, 70mm
- 100 dB, 8 Tone, Volume adjustable 24VAC/DC, 70mm
- 108 dB, IP 40, 24V DC, 70mm

1	8WD4220-0FA	
1	8WD4250-0FA	
14	8WD4420-0FA	
14	8WD4450-0EA2	
14	8WD4420-0EA2	
14	8WD4420-0EA	

Signal Element with integrated LED, 24VAC/DC, IP 65

- Permanent Illuminated, Red, 50mm
- Permanent Illuminated, Green, 50mm
- Permanent Illuminated, Yellow, 50mm
- Permanent Illuminated, Transparent, 50mm
- Permanent Illuminated, Blue, 50mm

2	8WD4220-5AB	
2	8WD4220-5AC	
2	8WD4220-5AD	
2	8WD4220-5AE	
2	8WD4220-5AF	

- Permanent Illuminated, Red, 70mm
- Permanent Illuminated, Green, 70mm
- Permanent Illuminated, Yellow, 70mm
- Permanent Illuminated, Transparent, 70mm
- Permanent Illuminated, Blue, 70mm

15	8WD4420-5AB	
15	8WD4420-5AC	
15	8WD4420-5AD	
15	8WD4420-5AE	
15	8WD4420-5AF	

- Flasher Type, Red, 70mm
- Flasher Type, Green, 70mm
- Flasher Type, Yellow, 70mm

15	8WD4420-5BB	
15	8WD4420-5BC	
15	8WD4420-5BD	

BA15d Incandescent Lamp/LED Compatible (LED or Incandescent Lamp Ordered Separately) Signal Element , 12-230VAC-DC

- Permanent Illuminated, Red, 70mm
- Permanent Illuminated, Green, 70mm
- Permanent Illuminated, Yellow, 70mm
- Permanent Illuminated, Transparent, 70mm
- Permanent Illuminated, Blue, 70mm

15	8WD4400-1AB	
15	8WD4400-1AC	
15	8WD4400-1AD	
15	8WD4400-1AE	
15	8WD4400-1AF	

- Gasket included. Up to 5 elements can be connected. IP65 protected.
- Mounting elements and other accessories be selected on page 160.



SIRIUS signal columns

SIRIUS 8WD single signal columns and accessories

Description	Icon No	Order No	
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Single Signal Lamp with integrated LED, 24VAC/DC, IP 65

Permanent Illuminated, Red
Permanent Illuminated, Green
Permanent Illuminated, Yellow

22	8WD5320-5AB	
22	8WD5320-5AC	
22	8WD5320-5AD	



8WD5320-5AB



8WD4408-0AA

BA15d Incandescent Lamp / LED Compatible (LED or Incandescent Lamp Ordered Separately) Single Signal Lamp, 12-230VAC-DC, IP 65

Permanent Illuminated, Red
Permanent Illuminated, Green
Permanent Illuminated, Yellow
Permanent Illuminated, Transparent
Permanent Illuminated, Blue

22	8WD5300-1AB	
22	8WD5300-1AC	
22	8WD5300-1AD	
22	8WD5300-1AE	
22	8WD5300-1AF	

Connection Elements

Pipe and floor mounting bracket (top-bottom fixing), 50 mm
Bracket and floor mounting bracket (top-bottom fixing), 70 mm
Pipe mounting bracket (top-bottom fixing), 70 mm
Single signal lamp pipe mounting element

3	8WD4208-0AA	
16	8WD4408-0AB	
17	8WD4408-0AA	
23	8WD5308-0EG	



8WD4208-0CD



8WD4208-0EH



8WD4208-0DE



8WD4308-0CA



8WD4308-0CB



8WD4408-0CD



8WD4308-0EE



8WD4308-0DB



8WD4308-0DC



8WD4408-0DF



8WD4308-0DA



8WD4308-0DD



8WD4308-0DE



8WD4408-0CC



8WD4308-0DE



8WD4408-0CC

Assembly Elements

Wall mounting bracket, plastic, mounting without feet and pipe, 50 mm compatible
Through-hole (M18) fitting, metal, footless and pipe-less mounting, compatible with 50 mm
Plastic connection foot for tubeless connection, compatible with 50mm
Wall mounting bracket (one-way), footless and pipe-less mounting, 70mm compatible
Wall mounting bracket (bi-directional), footless and tubeless mounting, 70mm compatible
Basic mounting bracket, mounting without feet and pipe, compatible with 70mm
Pipe (length 150mm), compatible with 50mm and 70mm
Pipe (length 250 mm), compatible with 50 mm and 70 mm
Pipe (length 400 mm), compatible with 50 mm and 70 mm
Pipe (length 1000 mm), compatible with 50 mm and 70 mm
Plastic connection foot for connection with pipe, suitable for 50 mm and 70 mm
Metal connection foot for connection with pipe (>400 mm), compatible with 50 mm and 70 mm
Angle-adjustable (in 7.5° increments) plastic connection foot for connection with pipe, suitable for 50 mm and 70 mm
100 mm tubular mounting foot, compatible with 70 mm
Socket, compatible with 50 mm and 70 mm with side cable exit
Socket with side cable outlet, magnetic fixing, compatible with 50mm and 70mm
Bracket for connection with foot, compatible with 50mm and 70mm

4	8WD4208-0CD	
5	8WD4208-0EH	
6	8WD4208-0DE	
18	8WD4308-0CA	
19	8WD4308-0CB	
20	8WD4408-0CD	
7	8WD4308-0EE	
7	8WD4308-0EA	
7	8WD4308-0EB	
7	8WD4308-0ED	
8	8WD4308-0DB	
9	8WD4308-0DC	
10	8WD4408-0DF	
21	8WD4308-0DA	
11	8WD4308-0DD	
12	8WD4308-0DE	
13	8WD4408-0CC	

• Please contact our sales offices for IP66/IP69 (IP69K) mounting elements of 8WD46 Signal columns.

BA 15d Incandescent Lamp, BA 15d LED

24VAC/DC Incandescent Lamp
230VAC/DC Incandescent Lamp
Red LED 24VAC/DC Green
LED 24VAC/DC
Yellow LED 24VAC/DC
Transparent LED 24VAC/DC
Blue LED 24VAC/DC

-	8WD4328-1XX	
-	8WD4358-1XX	
-	8WD4428-6XB	
-	8WD4428-6XC	
-	8WD4428-6XD	
-	8WD4428-6XE	
-	8WD4428-6XF	



8WD4428-6XE

SIRIUS relays

3RS7 interface converters



3RS7020-1ET00



3RS7003-1AE00



3RS7005-1FW00



3RQ3900-0A



3RQ3901-0B

Introduction	Exit	Supply Voltage	Order No		Min Order MOQ
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Single Signal Converters, 2-Way Isolation, Passive

4..20mA	4..20mA	-	3RS7020-1ET00		1
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Single Signal Converters, 3-Way Isolation, Active

0..10V	0..10V	24VAC/DC	3RS7000-1AE00		1
0..20mA	0..10V	24VAC/DC	3RS7002-1AE00		1
4..20mA	0..10V	24VAC/DC	3RS7003-1AE00		1
0..10V	0..20mA	24VAC/DC	3RS7000-1CE00		1
0..20mA	0..20mA	24VAC/DC	3RS7002-1CE00		1
4..20mA	0..20mA	24VAC/DC	3RS7003-1CE00		1
0..10V	4..20mA	24VAC/DC	3RS7000-1DE00		1
0..20mA	4..20mA	24VAC/DC	3RS7002-1DE00		1
4..20mA	4..20mA	24VAC/DC	3RS7003-1DE00		1

Multiple Signal Converters, 3-Way Isolation, Active

Input / Output Set with DIP Switch

0..10V, 0..20mA, 4..20mA	0..10V, 0..20mA, 4..20mA	24..240VAC/DC	3RS7005-1FW00		1
0..10V, 0..20mA, 4..20mA	0..50Hz, 0..100Hz, 0..1kHz, 0..10kHz	24..240VAC/DC	3RS7005-1KW00		1

Input / Output with DIP Switch, Manual / Automatic Selection, Output Adjustment with Potentiometer

0..10V, 0..20mA, 4..20mA	0..10V, 0..20mA, 4..20mA	24..240VAC/DC	3RS7025-1FW00		1
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Universal Multi-Signal Converters, Active

Input / Output Set with DIP Switch

0..60mV, 0..100mV, 0..300mV, 0..500mV, 0..1V, 0..2V, 0..5V, 0..10V, 0..20V, 2..10V, 0..5mA, 0..10mA, 0..20mA, 4..20mA, -5..+5mA, -20..+20mA	0..10V, 0..20mA, 4..20mA	24..240VAC/DC	3RS7006-1FW00		1
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Accessories

Galvanic Insulation Plate

Used to provide electrical isolation when devices with different potentials are used side by side

3RQ3900-0A		10
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Connection Bridges

2 Poles
4 Poles
8 Poles
16 Pole

3RQ3901-0A		10
3RQ3901-0B		10
3RQ3901-0C		10
3RQ3901-0D		10

SIRIUS relays

3RQ3 coupling relays



Description	Supply Voltage	Order No	Min Order MOQ
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Coupling Relays, Inverting Output

Output Coupling Relays

1C0, Thermal current 6A	24VDC	3RQ3018-2AM08-0AA0	5
1C0, Thermal current 6A	24VAC/DC	3RQ3018-1AB00	5
1C0, Thermal current 6A	230VAC/DC	3RQ3018-1AF00	5

Input Coupling Relays

1C0, Thermal current 6A	24VAC/DC	3RQ3038-1AB00	5
1C0, Thermal current 6A	230VAC/DC	3RQ3038-1AF00	5



Coupling Relays Socket Type, Invertor Output

Output Coupling Relays

1C0, Thermal current 6A	24VAC/DC	3RQ3118-1AB00	5
1C0, Thermal current 6A	230VAC/DC	3RQ3118-1AF00	5
1C0, Thermal current 6A	24VDC	3RQ3118-1AM00	5

3RQ3118-1AB0



Coupling Relays Transistor Output

Output Coupling Relays

Current carrying capacity DC/1mA..0.5A	11...30VDC	3RQ3050-1SM50	5
Current carrying capacity DC/1mA..2A	11...30VDC	3RQ3052-1SM40	5
Current carrying capacity AC/5mA..2A	11...30VDC	3RQ3052-1SM50	5
Current carrying capacity DC/5mA..5A	11...30VDC	3RQ3055-1SM30	5
Current carrying capacity DC/1mA..3A	110..230VAC/DC	3RQ3053-1SG30	5

Input Coupling Relays

Current carrying capacity DC/10mA..0.5A	11..30VAC/DC	3RQ3070-1SB30	5
Current carrying capacity DC/10mA..0.5A	110..230VAC/DC	3RQ3070-1SG30	5

Note: Please consult our sales department for different connection types, supply voltage and contact options.

3RQ3052-1SM4

Accessories

Galvanic Insulation Plate

Used to provide electrical isolation when devices with different potentials are used side by side	3RQ3900-0A	10
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Connection Bridges

2 Poles	3RQ3901-0A	10
4 Poles	3RQ3901-0B	10
8 Poles	3RQ3901-0C	10
16 Pole	3RQ3901-0D	10

3RQ3900-0A

Tags

5x5 mm	3RQ3902-0A	2000
6x12mm	3RQ3902-0B	1200



3RQ3118 Replacement Relay for Socket Type Coupling Relays

Replacement relay for 3RQ3118-.AM00	3TX7014-7BM00	15
Replacement relay for 3RQ3118-AB00	3TX7014-7BQ00	15
Replacement relay for 3RQ3118-.AF00	3TX7014-7BP00	20

3RQ3902-0A

SIRIUS relays

3RQ1 safety coupling relays

LZ coupling relays, complete set products

Description	Supply Voltage	Order No	Min Order MOQ
SIRIUS 3RQ1 Safety Coupling Relays			NEW



3RQ1000-2GB00

17.5 mm Width, Spring Connection

Safety up to SIL-2 (2NO+1NC)	24 VDC	3RQ1000-2GB00	1
Safety up to SIL-3 (1NO)	24 VDC	3RQ1200-2EB00	1

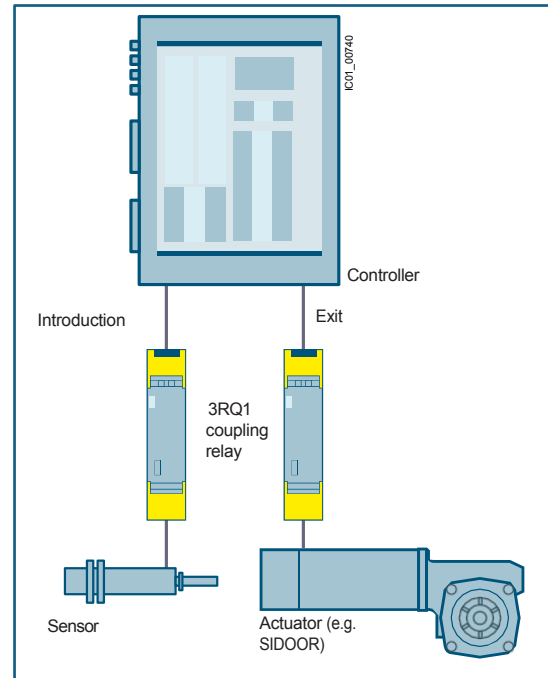
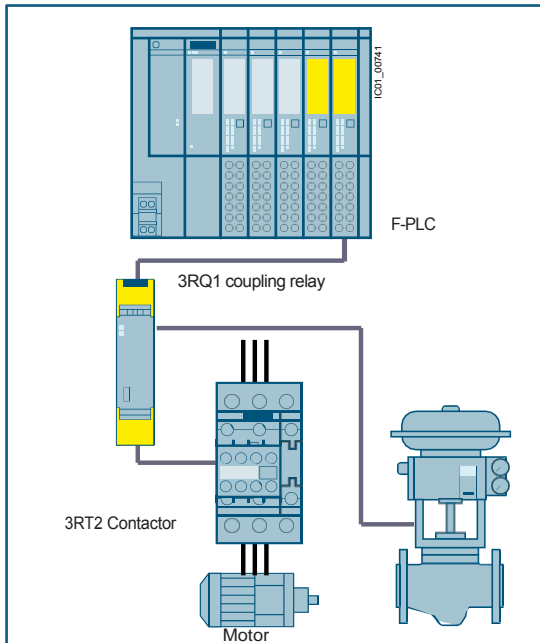
22.5 mm Width, Spring Connection

Safety up to SIL-2 (2NO+2NC)	24 VDC	3RQ1000-2HB00	1
Safety up to SIL-2 (4NO+1NC)	24 VDC	3RQ1000-2LB00	1

Note: The connectors required for connection with 3SK1 Safety Relays are series 3ZY*(Page 148).
You can consult our sales units for different connection types, supply voltage and contact options.

It has a 'reinforced contact' structure for readback of relay states. 3SK Safety relays are integrated in their outputs. Safe coupling up to SIL 3 / PL e levels:

- Electrical separation of input and output circuits
- Signal amplification
- Increasing the number of contacts



LZX:PT570024

PT Series Products

PT Relay, 2CO Inverting Contact, 8 Pin

230 VAC	LZX:PT270730	1
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PT Relay, 3CO Inverting Contact, 11 Pin

24VDC	LZX:PT370024	1
24 VAC	LZX:PT370524	1
115 VAC	LZX:PT370615	1
230 VAC	LZX:PT370730	1

PT Relay, 4CO Inverting Contact, 14 Pin

24VDC	LZX:PT570024	1
24 VAC	LZX:PT570524	1
115 VAC	LZX:PT570615	1
230 VAC	LZX:PT570730	1



LZS:PT78720

PT Socket

Socket for 8-pin	LZS:PT78720	1
Socket for 11-pin	LZS:PT78730	1
Socket for 14 Pin	LZS:PT78740	1

SIRIUS relays

LZ coupling relays, complete set products

Description	Supply Voltage	Order No	Min Order MOQ
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Complete Set Products

PT Series Complete Set Products, 3CO Invertor Contact, 11 Pin

Relay, Socket, LED Module, Label,
Clip mechanism included

24VDC	LZS:PT3A5L24	5
24VAC	LZS:PT3A5R24	5
230VAC	LZS:PT3A5T30	5



LZS:PT...

PT Series Complete Set Products, 4CO Invertor Contact, 14 Pin

Relay, Socket, LED Module, Label,
Clip mechanism included

24VDC	LZS:PT5A5L24	5
24VAC	LZS:PT5A5R24	5
230VAC	LZS:PT5A5T30	5

RT Series Complete Set Products, 1CO Invertor Contact, 8 Pin

Relay, Socket, LED Module, Label,
Clip mechanism included

24VDC	LZS:RT3A4L24	5
24VAC	LZS:RT3A4R24	5
230VAC	LZS:RT3A4T30	5



LZS:RT...

RT Series Complete Set Products, 2CO Invertor Contact, 8 Pin

Relay, Socket, LED Module, Label,
Clip mechanism included

24VDC	LZS:RT4A4L24	5
24VAC	LZS:RT4A4R24	5
230VAC	LZS:RT4A4T30	5



LZX:RT424730



LZS:RT78726

RT Series Products

RT Relay, 1CO Inverting Contact, 8 Pin

24 VDC	LZX:RT314024	1
24 VAC	LZX:RT314524	1
230 VAC	LZX:RT314730	1

RT Relay, 2CO Inverting Contact, 8 Pin

24 VDC	LZX:RT424024	1
24 VAC	LZX:RT424524	1
230 VAC	LZX:RT424730	1

RT Socket

LZS:RT78726	1
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LZS:RT17040



LZS:PT17024



LZS:PTML0024

Accessories

PT series label	LZS:PT17040	10
PT relay clip	LZS:PT17024	10
RT series label	LZS:RT17040	10
RT relay clip	LZS:RT17016	10
24V DC protection diode LED module for PT/RT 24V AC/DC	LZS:PTML0024	1
LED module for PT/RT	LZS:PTML0524	1
110...230V AC/DC LED module for PT/RT	LZS:PTML0730	1

SIRIUS relays

3RP2 and 7PV15 time relays



3RP2505-1AW30



3RP2511-1AW30



3RP2535-1AW30



3RP2574-1NW30



7PV1508-1AW30



7PV1513-1AQ3



7PV1538-1AW30

Number of Contacts	Time Setting Range	Supply Voltage	Order No	Min Order MOQ
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SIRIUS 3RP2 Multifunction Time Relays with LED

13 Functions, 17.5 mm

1CO Contact	0.05h..100h	12..240VAC/DC	3RP2505-1AW30	1
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27 Functions, 22.5 mm

2CO Contact	0.05h..100h	12..240VAC/DC	3RP2505-1BW30	1
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SIRIUS 3RP2 ON-Delay Time Relays with LED, 17.5 mm

1CO Contact	0.5s..10s	12..240VAC/DC	3RP2511-1AW30	1
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1CO Contact	1s..30s	12..240VAC/DC	3RP2512-1AW30	1
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1CO Contact	5s..100s	12..240VAC/DC	3RP2513-1AW30	1
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1CO Contact	0.05h..100h	12..240VAC/DC	3RP2525-1AW30	1
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2CO Contact	0.05h..100h	12..240VAC/DC	3RP2525-1BW30	1
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SIRIUS 3RP2 OFF-Delay Time Relays with LED, 17.5 mm

Control by Control Signal

1CO Contact	0.05h..100h	12..240VAC/DC	3RP2535-1AW30	1
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Control with Energy

2CO Contact	0.05s..600s	12..240VAC/DC	3RP2540-1AW30	1
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SIRIUS 3RP2 On-Off (Flasher) Time Relays, with LED, 17.5 mm

1CO Contact	0.05h..100h	12..240VAC/DC	3RP2555-1AW30	1
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SIRIUS 3RP2 Star-Delta Time Relays, with LED, 22.5 mm

1NO-1NO(t) Delayed	1s..20s	12..240VAC/DC	3RP2574-1NW30	1
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1NO-1NO(t) Delayed	3s..60s	12..240VAC/DC	3RP2576-1NW30	1
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SIRIUS 7PV15 Multifunction Time Relays, with LED, 17.5 mm

7 Functions

1CO Contact	0.05h..100h	12..240VAC/DC	7PV1508-1AW30	1
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SIRIUS 7PV15 ON-Delay Time Relays with LED, 17.5 mm

1CO Contact	0.05s..10s	200..240VAC-24VAC/DC	7PV1512-1AP30	1
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1CO Contact	5s..100s	24/230VAC-24VDC	7PV1513-1AP30	1
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1CO Contact	0.05s..100s	24/110VAC-24VDC	7PV1513-1AQ30	1
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1CO Contact	0.05h..100h	12..240VAC/DC	7PV1518-1AW30	1
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SIRIUS 7PV15 OFF-Delay Time Relays with LED, 17.5 mm

1CO Contact	0.05h..100h	12..240VAC/DC	7PV1538-1AW30	1
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1CO Contact	0.05s..100s	12..240VAC/DC	7PV1540-1AW30	1
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SIRIUS 7PV15 Star-Delta Time Relays, with LED, 17.5 mm

2NO Contact	0.05h..100h	12..240VAC/DC	7PV1578-1BW30	1
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* The functions of the multifunctional time relay are given below.

- Pull Delay (ON-Delay), Release Delay (OFF-Delay), Flasher, Short Time On, Short Time Off, Pulse, Summed ON-Delay, Star Triangle, ...

You can download product technical documents from the links below to examine detailed product functions:

For 3RP2 Series: <https://support.industry.siemens.com/cs/tr/tr/view/102954829>

7PV1 Series: <https://support.industry.siemens.com/cs/tr/tr/view/35210295>

Note You can benefit from our products in SIRIUS program for time relays that can be installed on contactors.

Digital Transparency Maximum Efficiency with New Sirius 3UG5 Monitoring Relays!



- > Forward-looking operating concept with new display and teaching function.
- > Frequency Monitoring
- > 15...70 HZ Extended Frequency Range
- > Wide Voltage Range, Easy Product Selection
- > Innovative Body Design
- > Safety Models
- > SIL 1 (IEC 62061) - PL c (EN ISO 13849-1)
- > Interchangeable Terminals
- > IO-Link communication / connection

3UG4

3UG5

	3UG4		3UG5			
Phase Sequence	3UG45111AN20	AC 160...260V	Screw Connection	3UG55111AR20	1 CO Contact	
	3UG45111AP20	AC 320...500V		Spring Connection	3UG55111BR20	2 CO Contact
	3UG45111AQ20	AC 420...690V			3UG55112AR20	1 CO Contact
	3UG45111BN20	AC 160...260V			3UG55112BR20	2 CO Contact
	3UG45111BP20	AC 320...500V				
	3UG45111BQ20	AC 420...690V				
	3UG45112AN20	AC 160...260V				
	3UG45112AP20	AC 320...500V				
	3UG45112AQ20	AC 420...690V				
	3UG45112BN20	AC 160...260V				
3UG45112BP20	AC 320...500V					
3UG45112BQ20	AC 420...690V					
Phase sequence, phase failure, phase asymmetry,	3UG45121AR20	AC 160...690V	Screw Connection	* 3UG55121AR20	1 CO Contact	
	3UG45121BR20	AC 160...690V	Spring Connection	* 3UG55121BR20	2 CO Contact	
	3UG45122AR20	AC 160...690V		* 3UG55122AR20	1 CO Contact	
	3UG45122BR20	AC 160...690V	* 3UG55122BR20	2 CO Contact		
Phase sequence, phase failure, phase asymmetry, low voltage	3UG45131BR20	AC 160...690V	Screw Connection	3UG55141BR20	2 CO Contact	
	3UG46141BR20	AC 160...690V	Spring Connection	3UG55142BR20	2 CO Contact	
	3UG45132BR20	AC 160...690V				
	3UG46142BR20	AC 160...690V				
Phase sequence, phase error, phase asymmetry, N conductor monitoring (adjustable), frequency, low voltage, high voltage.	3UG46151CR20	AC 160...690V	Screw Connection	3UG56161CR20	2 CO Contact	
	3UG46161CR20	AC 90...400V	Spring Connection	3UG56162CR20	2 CO Contact	
	3UG46152CR20	AC 160...690V				
	3UG46162CR20	AC 90...400V				
Speed direction correction, phase sequence, phase error, phase asymmetry, N conductor monitoring (adjustable), frequency, low voltage, high voltage.	3UG46171CR20	AC 160...690V	Screw Connection	* 3UG56181CR20	2 CO Contact	
	3UG46181CR20	AC 90...400V	Spring Connection	* 3UG56182CR20	2 CO Contact	
	3UG46172CR20	AC 160...690V				
	3UG46182CR20	AC 90...400V				
IO-Link	3UG48151AA40	AC 160...690V	Screw Connection	3UG58161AA40	1 CO Contact	
Phase sequence, phase error, phase asymmetry, N conductor monitoring (adjustable), frequency, undervoltage, overvoltage	3UG48161AA40	AC 90...690V	Spring Connection	3UG58162AA40	1 CO Contact	
	3UG48152AA40	AC 160...690V				
	3UG48162AA40	AC 160...690V				

* Please consult our sales department for safety models.
SIL 1 (IEC 62061) - PL c (EN ISO 13849-1)

With Frequency Monitoring

SIRIUS relays

New SIRIUS 3UG5 Monitoring Relays



3UG5511-1AR20



3UG5616-1CR20



3UG4501-1AW30

Description	Trip Delay Time Setting	Measurement Range	Frequency	Order No	
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3UG5 Phase Sequence NEW

Auto Reset, 1CO Auto Reset, 2CO	-	200...690 V AC	15...70 Hz	3UG5511-1AR20	
	-	200...690 V AC	15...70 Hz	3UG5511-1BR20	

3UG5 Phase Order, Phase Loss and Phase Asymmetry NEW

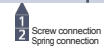
Automatic Reset, 10% asymmetry sensitive, 1CO	-	200...690 V AC	15...70 Hz	*3UG5512-1AR20	
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3UG5 Phase Sequence, Phase Loss, Phase Asymmetry and 3 Phase Undervoltage Monitoring Relays NEW

Auto Reset, analog adjustment, 20% asymmetry sensitive, 2CO	1..20sec	200...690 V AC	15...70 Hz	3UG5514-1BR20	
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3UG5 Phase Sequence, Phase Loss, Phase Asymmetry, Low, High and Voltage to N- Conductor, 3 Phase monitoring Relays YENİ

Automatic or manual reset, digital adjustment, 2 CO	1..30 sec	120...690 V AC	15...70 Hz	3UG5616-1CR20	
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*Please consult our sales department for safe models.

You can consult our sales units for different connection types, supply voltage and contact options.

 **IO-Link** For IO-Link communication / connection you can consult our sales units.

Description	Trip Delay Time Setting	Measurement Range	External Supply Voltage	Order No	
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3UG4 Single Phase Voltage Monitoring Relays

0.1..300 hysteresis adjustable, 1CO	1..20sec	10...600VAC/DC	24..240VAC/DC	3UG4632-1AW30	
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3UG4 Low / High Current Monitoring Relays

0.01..5A hysteresis adjustable, 1CO	1..20sec	0.05..10AAC/DC	24..240VAC/DC	3UG4622-1AW30	
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3UG4 Liquid Level Control Products Liquid Level Control Relay

Sensitivity 2...200kOhm, 1CO	0.5..10 sec	-	24..240VAC/DC	3UG4501-1AW30	
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Note: You can contact our sales units for versions compatible with [IO-Link](#).
You can consult our sales units for different connection types, supply voltage and contact options.

options with 3-phase monitoring, our Next Generation SIRIUS current sensing relays 3RR2 series are available on p. 39.

SIRIUS relays

3RN2 PTC thermistor monitoring and 3RS2 temperature monitoring relays



3RN2000-1AW30



3RN2012-1BW30



3RS2800-2BA40

Description	Number of Contacts	Supply Voltage	Order No		Min. Order quantity
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SIRIUS 3RN2 PTC Thermistor Monitoring Relays

17.5 mm, Applied Supply Voltage= Output Voltage

Automatic reset	1CO	24..240VAC/DC	3RN2000-1AW30		1
Automatic reset	1NO+1NC	24..240VAC/DC	3RN2010-1CW30		1

22.5 mm

Automatic reset	2CO	24..240VAC/DC	3RN2010-1BW30		1
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22.5 mm, ATEX Approved

Manual reset	2CO	24..240VAC/DC	3RN2011-1BW30		1
Automatic, manual, external reset	2CO	24..240VAC/DC	3RN2012-1BW30		1

22.5 mm, ATEX Approved, 2 Sensor Inputs

Automatic, manual, external reset	1CO+1NO	24VAC/DC	3RN2023-1DW30		1
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SIRIUS 3RS2 Temperature Monitoring Relays

NEW

22.5 mm, PT100 Temperature Sensor Compatible, Analog-Multifunctional, Spring Connection

-50/+1000°C Thermocouple Tip J,K	1CO	24..240VAC/DC	3RS2500-2AW30		1
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22.5 mm, PT100, PT1000, KTY83-110, KTY84, NTC Temperature Sensors Compatible, Digital, Spring Connection

-99/+1800°C Thermocouple Tip J, K, T, E, N, S, R, B	2CO	24..240VAC/DC	3RS2600-2BW30		1
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22.5 mm, PT100, PT1000, KTY83-110, KTY84, NTC Temperature Sensors Compatible, Digital, IO-Link Compatible, Spring Connection

-99/+1800°C Thermocouple Tip J, K, T, E, N, S, R, B	2CO	24 VDC	3RS2800-2BA40		1
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Note: Please consult our sales department for different connection types, supply voltage and contact options.

Power supplies transformers

4AV-4AX power supplies and transformers

Material Type	Current	Introduction	Order No
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4AV4/5 DC Supply / Power Supplies

24V DC output (DIN 19240)



4AV4.

- Suitable for all kinds of PLC applications
- Isolated Transformer safety
- Parallel operation
- Terminal blocks with touch protection
- CE marking, compliance with VDE 0551
- Volatility level 5%
- Compact design and ready solution

3	230-400+/-15	4AV4103-2EB00-0A
6	230-400+/-15	4AV4106-2EB00-0A
10	230-400+/-15	4AV4110-2EB00-0A
25	400+/-20	4AV5125-2EB00-0A
35	400+/-20	4AV5135-2EB00-0A

Material Type	Rated Power (VA)	Order No
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4AX3002 Control Transformers

230-400 V/24V (50-60 Hz)



4AX.

- CE marking, conformity to DIN EN 61558-2-2
- Mains-compatible facilitating $\pm 15V$ connectors at primary
- Defined power ratings for 50°C ambient temperature
- High insulation thanks to galvanic separation
- Screw, socket and solderable terminal blocks

50	4AX3002-3HA50-0B
100	4AX3002-3HA10-0B
160	4AX3002-3HA16-0B
250	4AX3002-3HA03-0B
400	4AX3002-3HA04-0B
630	4AX3002-3HA06-0B

400V / 230 V (50-60 Hz) Control Transformers

- CE marking, conformity to DIN EN 61558-2-2
- Mains-compatible facilitating $\pm 15V$ connectors at primary
- Defined for 50°C ambient temperature power ratings
- High insulation thanks to galvanic separation
- Screw, socket and solderable terminal blocks

50	4AX3002-3ED50-0B
100	4AX3002-3ED10-0B
160	4AX3002-3ED16-0B
250	4AX3002-3ED03-0B
400	4AX3002-3ED04-0B
630	4AX3002-3ED06-0B

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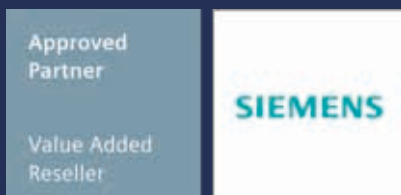
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