

Miniature circuit breakers

For basic applications for buildings and infrastructure



5SL3



5SL6



5SL4

Standards					
Standards			IEC/EN 60898-1	IEC/EN 60898-1	IEC/EN 60898-1
Basic data					
Breaking capacity I_{cn} for AC (230/400 V)	kA		4.5	6	10
Rated current	A		0.3 ... 63	0.3 ... 63	0.3 ... 63
Number of poles			1P 2P 3P 4P 1P+N 3P+N	1P 2P 3P 4P 1P+N 3P+N	1P 2P 3P 4P 1P+N 3P+N
Tripping characteristic			B C	B C	B C D
Approvals					
General product approvals			VDE, CEBC, TSE	VDE, CEBC, TSE	VDE, CEBC, IMQ
Marine classifications			–	–	–
Voltage/frequency					
Rated voltage AC	V		230/400	230/400	230/400
Max. operational voltage AC	V		250/440	250/440	250/440
Rated voltage DC per phase pole	V		60	60	60
Max. operational voltage DC per phase pole	V		62.5 ^{1) 2)}	62.5 ^{1) 2)}	62.5 ^{1) 2)}
Rated impulse voltage U_{imp}	kV		4	4	4
Rated frequency f_n	Hz		50/60	50/60	50/60
Connection					
Dual-chamber terminal			–	–	–
Conductor cross-section 1 wire	Solid/stranded	mm ²	0.75 ... 35	0.75 ... 35	0.75 ... 35
	Finely stranded with end sleeve	mm ²	0.75 ... 25	0.75 ... 25	0.75 ... 25
	Finely stranded without end sleeve	mm ²	1 ... 35	1 ... 35	1 ... 35
Conductor cross-section 2 wires (same cross-section and same conductor type)	Solid/stranded	mm ²	0.75 ... 10	0.75 ... 10	0.75 ... 10
	Finely stranded with end sleeve	mm ²	0.75 ... 4	0.75 ... 4	0.75 ... 4
	Finely stranded without end sleeve	mm ²	1 ... 4	1 ... 4	1 ... 4
Conductor cross-section 1-wire + busbar (pin thickness 1.5 mm)	Solid/stranded	mm ²	10 ... 25	10 ... 25	10 ... 25
	Finely stranded with non-insulated end sleeve	mm ²	6 ... 25	6 ... 25	6 ... 25
	Finely stranded with insulated end sleeve	mm ²	6 ... 16	6 ... 16	6 ... 16
Ambient conditions					
Ambient temperature ³⁾			°C	–25 ... +45 ⁴⁾	–25 ... +45 ⁵⁾
Storage temperature			°C	–40 ... +75 ⁶⁾	–40 ... +75 ⁶⁾
Shock acc. to IEC 60068-2-27 150 m/s ² at 11 ms half-sine				–	–
Resistance to vibrations acc. to IEC 60068-2-6: 5 ... 25 Hz (±1 mm) and at 25 ... 150 Hz (50 m/s ²)				–	–
Resistant to shock and vibrations acc. to EN 61373 and EN 50155 "1B" (railway engineering)				–	–
Fire behavior of materials acc. to EN 45545-2 (fire protection on railway vehicles)				–	–
Degree of pollution for overvoltage category				2/III	2/III
Further information					
			See page 3/12	See page 3/14	See page 3/16

¹⁾ Except for characteristic C: 0.3 A ... 1 A and characteristic D: 0.3 A ... 2 A

²⁾ The operating voltage of 62.5 V DC per pole takes into account a battery charging voltage with a peak value of 72 V

³⁾ The device properties specified, for example, in the product standards, such as service life, breaking capacity and surface temperature, cannot be guaranteed at the specified ambient temperatures that lie outside the specified product standards.

⁴⁾ Periodically +55 °C, max. 95% humidity

⁵⁾ Max. 95% humidity

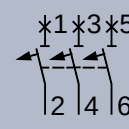
⁶⁾ Max. 85% rel. humidity, > 45 °C max. 0.056kg/m³ abs. humidity

**5SJ6...-.KS****5SL30****5SL60****5SP3**

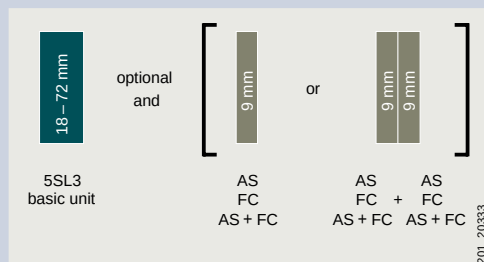
IEC/EN 60898-1	IEC/EN 60898-1	IEC/EN 60898-1	DIN VDE 0641-21
6	4.5	6	25
10 ... 20	2 ... 40	2 ... 40	16 ... 63
1P 2P 3P 1P+N	1P+N	1P+N	1P 2P 3P 4P
B C	C	B C	E
VDE	VDE, IMQ, NF, CCC	VDE, IMQ, NF, CCC	VDE
–	–	DNV-GL	–
230/400	230	230	230/400
250/440	250	250	250/440
60	60	60	–
60	62.5 ^{1) 2)}	62.5 ^{1) 2)}	–
4	4	4	6
50/60	50/60	50/60	50/60
Plug-in terminal on outgoing side	–	–	–
1.5 ... 4 (top) 0.75 ... 25 (bottom)	0.75 ... 16	0.75 ... 16	2.5 ... 50 (bottom)
1.5 ... 2.5 (top) 0.75 ... 25 (bottom)	0.75 ... 10	0.75 ... 10	2.5 ... 50 (bottom)
1.5 ... 4	0.75 ... 16	0.75 ... 16	2.5 ... 16 (top)
–	0.75 ... 4	0.75 ... 4	–
–	0.75 ... 1.5	0.75 ... 1.5	–
–	0.75 ... 4	0.75 ... 4	–
–	–	–	–
–	6 ... 10	6 ... 10	–
–	6 ... 10	6 ... 10	–
–25 ... +45 ⁴⁾	–25 ... +60 ⁶⁾	–25 ... +60 ⁶⁾	–25 ... +55
–40 ... +75 ⁶⁾	–40 ... +75	–40 ... +75	–40 ... +70
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
2/III	2/III	2/III	3/IV
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5SL3 miniature circuit breakers

4.5 kA

Rated voltage U_n Mounting width	1P	1P+N	2P	3P				
	230/400 V AC	230 V AC	400 V AC	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	–	5SL3114-7	–	5SL3514-7	–	5SL3214-7	–	–
0.5 A	–	5SL3105-7	–	5SL3505-7	–	5SL3205-7	–	–
1 A	–	5SL3101-7	–	5SL3501-7	–	5SL3201-7	–	5SL3301-7
1.6 A	–	5SL3115-7	–	5SL3515-7	–	5SL3215-7	–	–
2 A	–	5SL3102-7	–	5SL3502-7	–	5SL3202-7	–	5SL3302-7
3 A	–	5SL3103-7	–	5SL3503-7	–	5SL3203-7	–	5SL3303-7
4 A	–	5SL3104-7	–	5SL3504-7	–	5SL3204-7	–	5SL3304-7
6 A	5SL3106-6	5SL3106-7	5SL3506-6	5SL3506-7	5SL3206-6	5SL3206-7	5SL3306-6	5SL3306-7
8 A	–	5SL3108-7	–	5SL3508-7	–	5SL3208-7	–	–
10 A	5SL3110-6	5SL3110-7	5SL3510-6	5SL3510-7	5SL3210-6	5SL3210-7	5SL3310-6	5SL3310-7
13 A	5SL3113-6	5SL3113-7	5SL3513-6	5SL3513-7	5SL3213-6	5SL3213-7	–	–
16 A	5SL3116-6	5SL3116-7	5SL3516-6	5SL3516-7	5SL3216-6	5SL3216-7	5SL3316-6	5SL3316-7
20 A	5SL3120-6	5SL3120-7	5SL3520-6	5SL3520-7	5SL3220-6	5SL3220-7	5SL3320-6	5SL3320-7
25 A	5SL3125-6	5SL3125-7	5SL3525-6	5SL3525-7	5SL3225-6	5SL3225-7	5SL3325-6	5SL3325-7
32 A	5SL3132-6	5SL3132-7	5SL3532-6	5SL3532-7	5SL3232-6	5SL3232-7	5SL3332-6	5SL3332-7
40 A	5SL3140-6	5SL3140-7	5SL3540-6	5SL3540-7	5SL3240-6	5SL3240-7	5SL3340-6	5SL3340-7
50 A	5SL3150-6	5SL3150-7	5SL3550-6	5SL3550-7	5SL3250-6	5SL3250-7	5SL3350-6	5SL3350-7
63 A	5SL3163-6	5SL3163-7	5SL3563-6	5SL3563-7	5SL3263-6	5SL3263-7	5SL3363-6	5SL3363-7

Mounting concept



AS Auxiliary switches
 FC Fault signal contacts
 AS+FC Auxiliary switches and fault signal contacts

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3

3P+N		4P	
400 V AC		400 V AC	
4 MW		4 MW	
Characteristic		Characteristic	
B	C	B	C
–	–	–	–
–	–	–	–
–	5SL3601-7	–	5SL3401-7
–	–	–	–
–	5SL3602-7	–	5SL3402-7
–	5SL3603-7	–	5SL3403-7
–	5SL3604-7	–	5SL3404-7
5SL3606-6	5SL3606-7	–	5SL3406-7
–	5SL3608-7	–	–
5SL3610-6	5SL3610-7	–	5SL3410-7
5SL3613-6	5SL3613-7	–	5SL3413-7
5SL3616-6	5SL3616-7	–	5SL3416-7
5SL3620-6	5SL3620-7	–	5SL3420-7
5SL3625-6	5SL3625-7	–	5SL3425-7
5SL3632-6	5SL3632-7	–	5SL3432-7
5SL3640-6	5SL3640-7	–	5SL3440-7
5SL3650-6	5SL3650-7	–	5SL3450-7
5SL3663-6	5SL3663-7	–	5SL3463-7

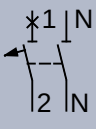
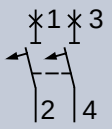
Accessories

Auxiliary switches (AS)		Article No.
1 NO + 1 NC	Standard	5ST3010
	For low power	5ST3013
	For low power (with diode)	5ST3013-0XX01
2 NO	Standard	5ST3011
	For low power	5ST3014
2 NC	Standard	5ST3012
	For low power	5ST3015
1 CO	Standard	5ST3016

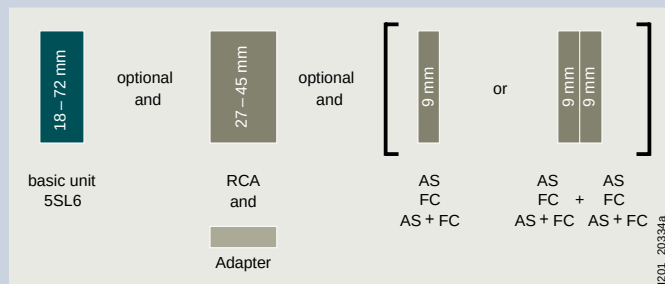
Fault signal contacts (FC)		Article No.
1 NO + 1 NC		5ST3020
2 NO		5ST3021
2 NC		5ST3022
Auxiliary switches and fault signal contacts (AS+FC)		Article No.
1 CO (AS) + 1 CO (FC)		5ST3062
5ST3 COM (AS+FC)		5ST3062-0MC

5SL6 miniature circuit breakers

6 kA

Rated voltage U_n Mounting width	1P	1P+N	2P	
	230/400 V AC	230 V AC	400 V AC	
	1 MW 	2 MW 	2 MW 	
Rated current I_n	Characteristic		Characteristic	
	B	C	B	C
0.3 A	–	5SL6114-7	–	5SL6514-7
0.5 A	–	5SL6105-7	–	5SL6505-7
1 A	–	5SL6101-7	–	5SL6501-7
1.6 A	–	5SL6115-7	–	5SL6515-7
2 A	5SL6102-6	5SL6102-7	–	5SL6502-7
3 A	–	5SL6103-7	–	5SL6503-7
4 A	5SL6104-6	5SL6104-7	–	5SL6504-7
6 A	5SL6106-6	5SL6106-7	5SL6506-6	5SL6506-7
8 A	–	5SL6108-7	–	5SL6508-7
10 A	5SL6110-6	5SL6110-7	5SL6510-6	5SL6510-7
13 A	5SL6113-6	5SL6113-7	5SL6513-6	5SL6513-7
16 A	5SL6116-6	5SL6116-7	5SL6516-6	5SL6516-7
20 A	5SL6120-6	5SL6120-7	5SL6520-6	5SL6520-7
25 A	5SL6125-6	5SL6125-7	5SL6525-6	5SL6525-7
32 A	5SL6132-6	5SL6132-7	5SL6532-6	5SL6532-7
40 A	5SL6140-6	5SL6140-7	5SL6540-6	5SL6540-7
50 A	5SL6150-6	5SL6150-7	5SL6550-6	5SL6550-7
63 A	5SL6163-6	5SL6163-7	5SL6563-6	5SL6563-7

Mounting concept





3P		3P+N		4P	
400 V AC		400 V AC		400 V AC	
3 MW		4 MW		4 MW	
Characteristic		Characteristic		Characteristic	
B	C	B	C	B	C
–	5SL6314-7	–	5SL6614-7	–	5SL6414-7
–	5SL6305-7	–	5SL6605-7	–	5SL6405-7
–	5SL6301-7	–	5SL6601-7	–	5SL6401-7
–	5SL6315-7	–	5SL6615-7	–	5SL6415-7
–	5SL6302-7	–	5SL6602-7	–	5SL6402-7
–	5SL6303-7	–	5SL6603-7	–	5SL6403-7
–	5SL6304-7	–	5SL6604-7	–	5SL6404-7
5SL6306-6	5SL6306-7	5SL6606-6	5SL6606-7	5SL6406-6	5SL6406-7
–	5SL6308-7	–	5SL6608-7	–	5SL6408-7
5SL6310-6	5SL6310-7	5SL6610-6	5SL6610-7	5SL6410-6	5SL6410-7
5SL6313-6	5SL6313-7	5SL6613-6	5SL6613-7	5SL6413-6	5SL6413-7
5SL6316-6	5SL6316-7	5SL6616-6	5SL6616-7	5SL6416-6	5SL6416-7
5SL6320-6	5SL6320-7	5SL6620-6	5SL6620-7	5SL6420-6	5SL6420-7
5SL6325-6	5SL6325-7	5SL6625-6	5SL6625-7	5SL6425-6	5SL6425-7
5SL6332-6	5SL6332-7	5SL6632-6	5SL6632-7	5SL6432-6	5SL6432-7
5SL6340-6	5SL6340-7	5SL6640-6	5SL6640-7	5SL6440-6	5SL6440-7
5SL6350-6	5SL6350-7	5SL6650-6	5SL6650-7	5SL6450-6	5SL6450-7
5SL6363-6	5SL6363-7	5SL6663-6	5SL6663-7	5SL6463-6	5SL6463-7

Accessories

Auxiliary switches (AS)		Article No.
1 NO + 1 NC	Standard	5ST3010
	For low power	5ST3013
	For low power (with diode)	5ST3013-0XX01
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)		5ST3062-OMC

Remote control auxiliaries (RCA)		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
Communication-capable	100 ... 240 V AC	5ST3072-OMC new
Communication-capable with RCD/IR test	100 ... 240 V AC	5ST3073-OMC new
Adapters for remote control auxiliaries (RCA)		Article No.
1 ... 2 MW		5ST3820-6
3 ... 4 MW		5ST3820-7

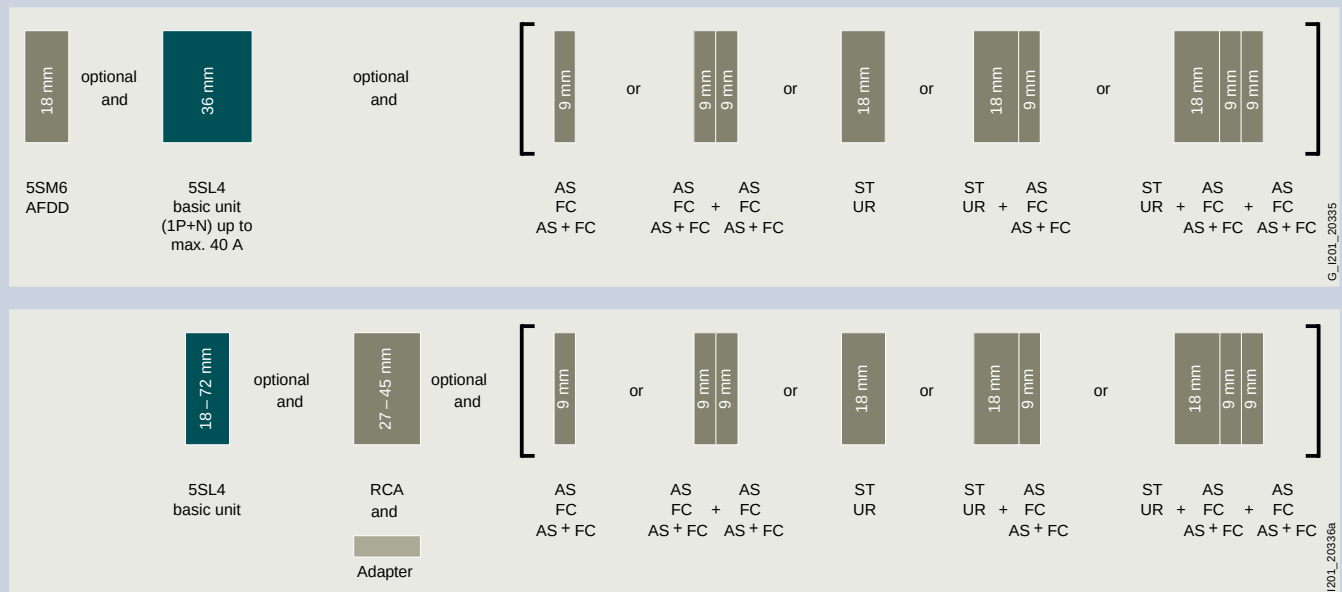
5SL4 miniature circuit breakers

10 kA

	1P	1P+N	2P
Rated voltage U_n	230/400 V AC	230 V AC	400 V AC
Mounting width	1 MW	2 MW	2 MW

Rated current I_n	Characteristic			Characteristic			Characteristic		
	B	C	D	B	C	D	B	C	D
0.3 A	—	5SL4114-7	5SL4114-8	—	5SL4514-7	5SL4514-8	—	5SL4214-7	5SL4214-8
0.5 A	—	5SL4105-7	5SL4105-8	—	5SL4505-7	5SL4505-8	—	5SL4205-7	5SL4205-8
1 A	5SL4101-6	5SL4101-7	5SL4101-8	5SL4501-6	5SL4501-7	5SL4501-8	5SL4201-6	5SL4201-7	5SL4201-8
1.6 A	—	5SL4115-7	5SL4115-8	—	5SL4515-7	5SL4515-8	—	5SL4215-7	5SL4215-8
2 A	5SL4102-6	5SL4102-7	5SL4102-8	5SL4502-6	5SL4502-7	5SL4502-8	5SL4202-6	5SL4202-7	5SL4202-8
3 A	5SL4103-6	5SL4103-7	5SL4103-8	5SL4503-6	5SL4503-7	5SL4503-8	5SL4203-6	5SL4203-7	5SL4203-8
4 A	5SL4104-6	5SL4104-7	5SL4104-8	5SL4504-6	5SL4504-7	5SL4504-8	5SL4204-6	5SL4204-7	5SL4204-8
6 A	5SL4106-6	5SL4106-7	5SL4106-8	5SL4506-6	5SL4506-7	5SL4506-8	5SL4206-6	5SL4206-7	5SL4206-8
8 A	5SL4108-6	5SL4108-7	5SL4108-8	5SL4508-6	5SL4508-7	5SL4508-8	5SL4208-6	5SL4208-7	5SL4208-8
10 A	5SL4110-6	5SL4110-7	5SL4110-8	5SL4510-6	5SL4510-7	5SL4510-8	5SL4210-6	5SL4210-7	5SL4210-8
13 A	5SL4113-6	5SL4113-7	5SL4113-8	5SL4513-6	5SL4513-7	5SL4513-8	5SL4213-6	5SL4213-7	5SL4213-8
16 A	5SL4116-6	5SL4116-7	5SL4116-8	5SL4516-6	5SL4516-7	5SL4516-8	5SL4216-6	5SL4216-7	5SL4216-8
20 A	5SL4120-6	5SL4120-7	5SL4120-8	5SL4520-6	5SL4520-7	5SL4520-8	5SL4220-6	5SL4220-7	5SL4220-8
25 A	5SL4125-6	5SL4125-7	5SL4125-8	5SL4525-6	5SL4525-7	5SL4525-8	5SL4225-6	5SL4225-7	5SL4225-8
32 A	5SL4132-6	5SL4132-7	5SL4132-8	5SL4532-6	5SL4532-7	5SL4532-8	5SL4232-6	5SL4232-7	5SL4232-8
40 A	5SL4140-6	5SL4140-7	5SL4140-8	5SL4540-6	5SL4540-7	5SL4540-8	5SL4240-6	5SL4240-7	5SL4240-8
50 A	5SL4150-6	5SL4150-7	5SL4150-8	5SL4550-6	5SL4550-7	5SL4550-8	5SL4250-6	5SL4250-7	5SL4250-8
63 A	5SL4163-6	5SL4163-7	5SL4163-8	5SL4563-6	5SL4563-7	5SL4563-8	5SL4263-6	5SL4263-7	5SL4263-8

Mounting concept



AFDD Arc fault detection units
AS Auxiliary switches
FC Fault signal contacts

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AS+FC Auxiliary switches and fault signal contacts
ST Shunt trips

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UR
RCA

Undervoltage releases
Remote control auxiliaries

See page 3/57
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3P			3P+N			4P		
400 V AC			400 V AC			400 V AC		
3 MW			4 MW			4 MW		
Characteristic			Characteristic			Characteristic		
B	C	D	B	C	D	B	C	D
–	5SL4314-7	5SL4314-8	–	5SL4614-7	5SL4614-8	–	5SL4414-7	5SL4414-8
–	5SL4305-7	5SL4305-8	–	5SL4605-7	5SL4605-8	–	5SL4405-7	5SL4405-8
5SL4301-6	5SL4301-7	5SL4301-8	5SL4601-6	5SL4601-7	5SL4601-8	5SL4401-6	5SL4401-7	5SL4401-8
–	5SL4315-7	5SL4315-8	–	5SL4615-7	5SL4615-8	–	5SL4415-7	5SL4415-8
5SL4302-6	5SL4302-7	5SL4302-8	5SL4602-6	5SL4602-7	5SL4602-8	5SL4402-6	5SL4402-7	5SL4402-8
5SL4303-6	5SL4303-7	5SL4303-8	5SL4603-6	5SL4603-7	5SL4603-8	5SL4403-6	5SL4403-7	5SL4403-8
5SL4304-6	5SL4304-7	5SL4304-8	5SL4604-6	5SL4604-7	5SL4604-8	5SL4404-6	5SL4404-7	5SL4404-8
5SL4306-6	5SL4306-7	5SL4306-8	5SL4606-6	5SL4606-7	5SL4606-8	5SL4406-6	5SL4406-7	5SL4406-8
5SL4308-6	5SL4308-7	5SL4308-8	5SL4608-6	5SL4608-7	5SL4608-8	5SL4408-6	5SL4408-7	5SL4408-8
5SL4310-6	5SL4310-7	5SL4310-8	5SL4610-6	5SL4610-7	5SL4610-8	5SL4410-6	5SL4410-7	5SL4410-8
5SL4313-6	5SL4313-7	5SL4313-8	5SL4613-6	5SL4613-7	5SL4613-8	5SL4413-6	5SL4413-7	5SL4413-8
5SL4316-6	5SL4316-7	5SL4316-8	5SL4616-6	5SL4616-7	5SL4616-8	5SL4416-6	5SL4416-7	5SL4416-8
5SL4320-6	5SL4320-7	5SL4320-8	5SL4620-6	5SL4620-7	5SL4620-8	5SL4420-6	5SL4420-7	5SL4420-8
5SL4325-6	5SL4325-7	5SL4325-8	5SL4625-6	5SL4625-7	5SL4625-8	5SL4425-6	5SL4425-7	5SL4425-8
5SL4332-6	5SL4332-7	5SL4332-8	5SL4632-6	5SL4632-7	5SL4632-8	5SL4432-6	5SL4432-7	5SL4432-8
5SL4340-6	5SL4340-7	5SL4340-8	5SL4640-6	5SL4640-7	5SL4640-8	5SL4440-6	5SL4440-7	5SL4440-8
5SL4350-6	5SL4350-7	5SL4350-8	5SL4650-6	5SL4650-7	5SL4650-8	5SL4450-6	5SL4450-7	5SL4450-8
5SL4363-6	5SL4363-7	5SL4363-8	5SL4663-6	5SL4663-7	5SL4663-8	5SL4463-6	5SL4463-7	5SL4463-8

Accessories

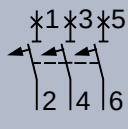
Auxiliary switches (AS)		Article No.
1 NO + 1 NC	Standard	5ST3010
	For low power	5ST3013
	For low power (with diode)	5ST3013-0XX01
2 NO	Standard	5ST3011
	For low power	5ST3014
2 NC	Standard	5ST3012
	For low power	5ST3015
1 CO	Standard	5ST3016
Fault signal contacts (FC)		Article No.
1 NO + 1 NC		5ST3020
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)		5ST3062-0MC
Shunt trips (ST)		Article No.
110 ... 415 V AC, 110 ... 220 V DC		5ST3030
24 ... 48 V AC/DC		5ST3031
12 V DC		5ST3031-0XX01

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 control auxiliaries (RCA)		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
Communication-capable	100 ... 240 V AC	5ST3072-0MC new
Communication-capable with RCD/IR test	100 ... 240 V AC	5ST3073-0MC new
Adapters for remote control auxiliaries (RCA)		Article No.
1 ... 2 MW		5ST3820-6
3 ... 4 MW		5ST3820-7
Arc fault detection units (AFDD)		Article No.
For basic units 1P+N (2 MW), not in combination with RCA	I_n up to 16 A	5SM6021-2
	I_n up to 40 A	5SM6024-2

5SJ6...-KS miniature circuit breakers

6 kA – plug-in terminal on outgoing side



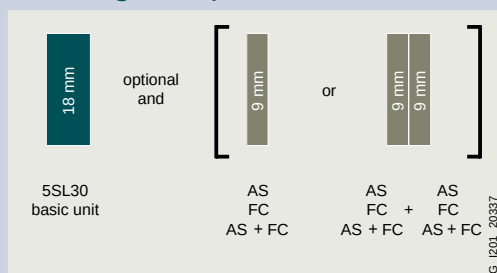
Rated voltage U_n Mounting width	1P		1P+N		2P		3P	
	230/400 V AC		230/400 V AC		230/400 V AC		230/400 V AC	
	1 MW 		2 MW 		2 MW 		3 MW 	
Rated current I_n	Characteristic		Characteristic		Characteristic		Characteristic	
	B	C	B	C	B	C	B	C
10 A	5SJ6110-6KS	5SJ6110-7KS	5SJ6510-6KS	5SJ6510-7KS	5SJ6210-6KS	5SJ6210-7KS	5SJ6310-6KS	5SJ6310-7KS
13 A	5SJ6113-6KS	5SJ6113-7KS	5SJ6513-6KS	5SJ6513-7KS	5SJ6213-6KS	5SJ6213-7KS	5SJ6313-6KS	5SJ6313-7KS
16 A	5SJ6116-6KS	5SJ6116-7KS	5SJ6516-6KS	5SJ6516-7KS	5SJ6216-6KS	5SJ6216-7KS	5SJ6316-6KS	5SJ6316-7KS
20 A	5SJ6120-6KS	5SJ6120-7KS	5SJ6520-6KS	5SJ6520-7KS	5SJ6220-6KS	5SJ6220-7KS	5SJ6320-6KS	5SJ6320-7KS

5SL30 miniature circuit breakers

1P+N 4.5 kA compact miniature circuit breakers

	1P+N (N pole right)	1P+N (N pole left)
Rated voltage U_n	230 V AC	230 V AC
Mounting width	2 MW 	2 MW 
Rated current I_n	Characteristic C	Characteristic C
2 A	5SL3002-7	5SL3002-7KL
4 A	5SL3004-7	5SL3004-7KL
6 A	5SL3006-7	5SL3006-7KL
8 A	5SL3008-7	5SL3008-7KL
10 A	5SL3010-7	5SL3010-7KL
13 A	5SL3013-7	5SL3013-7KL
16 A	5SL3016-7	5SL3016-7KL
20 A	5SL3020-7	5SL3020-7KL
25 A	5SL3025-7	5SL3025-7KL
32 A	5SL3032-7	5SL3032-7KL
40 A	5SL3040-7	5SL3040-7KL

Mounting concept



AS Auxiliary switches
 FC Fault signal contacts
 AS+FC Auxiliary switches and fault signal contacts

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Accessories

Auxiliary switches (AS)		Article No.
1 NO + 1 NC	Standard	5ST3010
	For low power	5ST3013
	For low power (with diode)	5ST3013-0XX01
2 NO	Standard	5ST3011
	For low power	5ST3014
2 NC	Standard	5ST3012
	For low power	5ST3015
1 CO	Standard	5ST3016

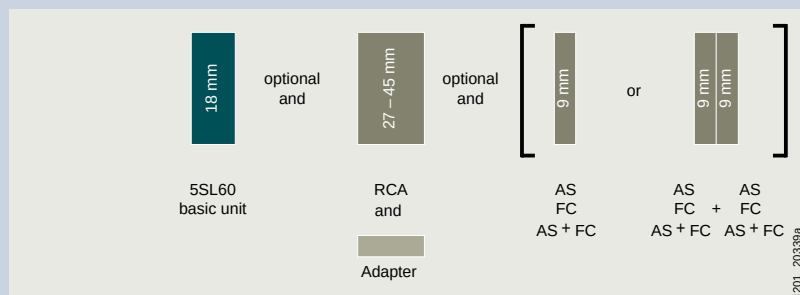
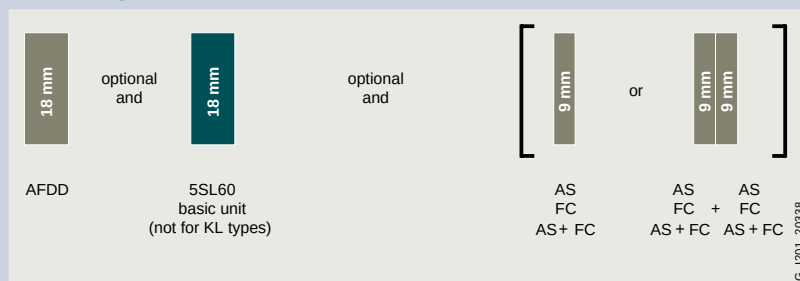
Fault signal contacts (FC)		Article No.
1 NO + 1 NC		5ST3020
2 NO		5ST3021
2 NC		5ST3022
Auxiliary switches and fault signal contacts (AS+FC)		Article No.
1 CO (AS) + 1 CO (FC)		5ST3062
5ST3 COM (AS+FC)		5ST3062-0MC

5SL60 miniature circuit breakers

1P+N 6 kA compact miniature circuit breakers

	1P+N (N pole right)	1P+N (N pole left)
Rated voltage U_n	230 V AC	230 V AC
Mounting width	1 MW 	1 MW 
Rated current I_n	Characteristic	Characteristic
	B	C
2 A	–	5SL6002-7
4 A	–	5SL6004-7
6 A	5SL6006-6	5SL6006-7
8 A	–	5SL6008-7
10 A	5SL6010-6	5SL6010-7
13 A	5SL6013-6	5SL6013-7
16 A	5SL6016-6	5SL6016-7
20 A	5SL6020-6	5SL6020-7
25 A	5SL6025-6	5SL6025-7
32 A	5SL6032-6	5SL6032-7
40 A	5SL6040-6	5SL6040-7

Mounting concept



AFDD Arc fault detection units
 AS Auxiliary switches
 FC Fault signal contacts
 AS+FC Auxiliary switches and fault signal contacts
 RCA Remote control auxiliaries

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Accessories

Auxiliary switches (AS)		Article No.
1 NO + 1 NC	Standard	5ST3010
	For low power	5ST3013
	For low power (with diode)	5ST3013-0XX01
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)		5ST3062-0MC

Remote control auxiliaries (RCA)		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
Communication-capable	100 ... 240 V AC	5ST3072-0MC new
Communication-capable with RCD/IR test	100 ... 240 V AC	5ST3073-0MC new
Adapters for remote control auxiliaries (RCA)		Article No.
1 MW		5ST3820-6
Arc fault detection units (AFDD)		Article No.
For basic units 1P+N (1 MW), not for KL types	I_n up to 16 A	5SM6011-2
	I_n up to 40 A	5SM6014-2