

5SY6 Miniature Circuit Breakers

High-capacity range, 6 kA

Application

- U_n : 230/400 V, 50-60 Hz, applicable in networks up to 250/440 V AC, 60 V DC per pole
- Standards EN 60898, (VDE 0641 Part 11), IEC 60898
- Supplementary components can be retrofitted
- 70 mm mounting depth

Characteristics C

General line protection, especially advantageous with higher inrush currents (lamps, motors, etc.).

Characteristics D

Tripping range adapted to operating equipment involving significant pulse generation (transformers, solenoid valves).

Selection and ordering data

6 000		I_n	MW	Characteristic C			Characteristic D			Weight approx.	Packing
3				Order No.	Price £	Price Group	Order No.	Price £	Price Group		
		A			1 unit			1 unit		kg	
Miniature circuit breakers 6000 A											
 5SY6 1	1P, AC 230/400 V 	0.5	1	5SY6 105-7	8.95	003	5SY6 105-8	9.—	004	0.165	1
		1		5SY6 101-7	8.95	003	5SY6 101-8	9.—	004	0.165	1
		1.6		5SY6 115-7	8.95	003	5SY6 115-8	9.—	004	0.147	1
		2		5SY6 102-7	8.95	003	5SY6 102-8	9.—	004	0.165	1
		3		5SY6 103-7	8.95	003	5SY6 103-8	9.—	004	0.165	1
		4		5SY6 104-7	8.35	003	5SY6 104-8	8.95	004	0.165	1
		6		5SY6 106-7	8.15	003	5SY6 106-8	8.50	004	0.165	1
		8		5SY6 108-7	7.45	003	5SY6 108-8	7.85	004	0.165	1
		10		5SY6 110-7	7.45	003	5SY6 110-8	7.85	004	0.165	1
		13		5SY6 113-7	7.45	003	5SY6 113-8	7.85	004	0.165	1
		16		5SY6 116-7	7.45	003	5SY6 116-8	7.85	004	0.165	1
		20		5SY6 120-7	7.45	003	5SY6 120-8	7.85	004	0.165	1
		25		5SY6 125-7	7.45	003	5SY6 125-8	7.85	004	0.165	1
		32		5SY6 132-7	7.45	003	5SY6 132-8	7.85	004	0.165	1
		40		5SY6 140-7	8.15	003	5SY6 140-8	8.50	004	0.165	1
		50		5SY6 150-7	8.35	003	5SY6 150-8	8.95	004	0.165	1
		63		5SY6 163-7	8.95	003	5SY6 163-8	9.—	004	0.165	1
 5SY6 2	2P, AC 400 V 	0.5	2	5SY6 205-7	24.70	003	5SY6 205-8	26.—	004	0.330	1
		1		5SY6 201-7	24.70	003	5SY6 201-8	26.—	004	0.330	1
		1.6		5SY6 215-7	24.70	003	5SY6 215-8	26.—	004	0.330	1
		2		5SY6 202-7	24.70	003	5SY6 202-8	26.—	004	0.330	1
		3		5SY6 203-7	24.70	003	5SY6 203-8	26.—	004	0.330	1
		4		5SY6 204-7	24.60	003	5SY6 204-8	25.75	004	0.330	1
		6		5SY6 206-7	23.40	003	5SY6 206-8	24.30	004	0.330	1
		8		5SY6 208-7	21.60	003	5SY6 208-8	22.40	004	0.330	1
		10		5SY6 210-7	21.60	003	5SY6 210-8	22.40	004	0.330	1
		13		5SY6 213-7	21.60	003	5SY6 213-8	22.40	004	0.330	1
		16		5SY6 216-7	21.60	003	5SY6 216-8	22.40	004	0.330	1
		20		5SY6 220-7	21.60	003	5SY6 220-8	22.40	004	0.330	1
		25		5SY6 225-7	21.60	003	5SY6 225-8	22.40	004	0.330	1
		32		5SY6 232-7	21.60	003	5SY6 232-8	22.40	004	0.330	1
		40		5SY6 240-7	23.40	003	5SY6 240-8	24.30	004	0.330	1
		50		5SY6 250-7	24.60	003	5SY6 250-8	25.75	004	0.330	1
		63		5SY6 263-7	24.70	003	5SY6 263-8	26.—	004	0.330	1
 5SY6 3	3P, AC 400 V 	0.5	3	5SY6 305-7	37.75	003	5SY6 305-8	37.50	004	0.495	1
		1		5SY6 301-7	37.75	003	5SY6 301-8	37.50	004	0.495	1
		1.6		5SY6 315-7	37.75	003	5SY6 315-8	37.50	004	0.495	1
		2		5SY6 302-7	37.75	003	5SY6 302-8	37.50	004	0.495	1
		3		5SY6 303-7	37.75	003	5SY6 303-8	37.50	004	0.495	1
		4		5SY6 304-7	36.25	003	5SY6 304-8	36.50	004	0.495	1
		6		5SY6 306-7	34.50	003	5SY6 306-8	35.75	004	0.495	1
		8		5SY6 308-7	32.25	003	5SY6 308-8	33.—	004	0.495	1
		10		5SY6 310-7	32.25	003	5SY6 310-8	33.—	004	0.495	1
		13		5SY6 313-7	32.25	003	5SY6 313-8	33.—	004	0.495	1
		16		5SY6 316-7	32.25	003	5SY6 316-8	33.—	004	0.495	1
		20		5SY6 320-7	32.25	003	5SY6 320-8	33.—	004	0.495	1
		25		5SY6 325-7	32.25	003	5SY6 325-8	33.—	004	0.495	1
		32		5SY6 332-7	32.25	003	5SY6 332-8	33.—	004	0.495	1
		40		5SY6 340-7	34.50	003	5SY6 340-8	35.75	004	0.495	1
		50		5SY6 350-7	36.25	003	5SY6 350-8	36.50	004	0.495	1
		63		5SY6 363-7	37.75	003	5SY6 363-8	37.50	004	0.495	1

5SY6 Miniature Circuit Breakers

Auxiliary switches

Benefits

- Can be individually retrofitted
- Mounting with factory-installed clips
- Short-circuit protection via miniature circuit-breakers or characteristic C and $I_n = 6$ A or gL 6 A fuses
- Broad range of applications thanks to the additional version for controlling programmable controllers (PLC) acc. to EN 61131-2
- Connectable to *instabus* EIB and AS-Interface bus via binary inputs
- Max. contact load:

NO contacts:	NC contacts:
2 A, 400 V AC, AC-14	2 A, 400 V AC, AC-13
6 A, 230 V AC, AC-14	6 A, 230 V AC, AC-13
1 A, 220 V DC, DC-13	1 A, 220 V DC, DC-13
1 A, 110 V DC, DC-13	1 A, 110 V DC, DC-13
3 A, 60 V DC, DC-13	3 A, 60 V DC, DC-13
6 A, 24 V DC, DC-13	6 A, 24 V DC, DC-13

Functions

- Indication of the miniature circuit-breaker's switching state:
 - AS: ON/OFF

Selection and ordering data

		MW	Order No.	Price £ 1 unit	Price Group	Weight approx. kg	Packing	
Auxiliary switches								
 5ST3 010	Auxiliary switches (AS) for small output							
		1 NO + 1 NC	0.5	5ST3 010	14.90	027	0.050	1
		2 NO	0.5	5ST3 011	14.90	027	0.050	1

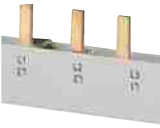
Accessories for 5SY6 miniature circuit breakers

Application

Busbar system

- Acc. to DIN 57606 and DIN 57659
- Load for one-side/central infeed: 65 A/120 A for 16 mm²
- Pin-type connections
- Single and multi-phase
- Cu 16 mm² fully insulated
- 18 mm lug spacing
- No additional connection terminal required for stranded connections up to 35 mm²
- Excellent accessibility of the feeder cables

Selection and ordering data

	Length mm	Order No.	Price £ 1 unit	Price Group	Weight approx. 1 kg	Packing
5ST3 7 busbar systems, 16 mm²						
 5ST3 7	Can be cut, without end caps					
	1-phase, angled, for MCB 1P	1016	5ST3 701	12.20	027	0.189 50
	2-phase, for MCB 2P		5ST3 705	34.—	027	0.289 20
	3-phase, for MCB 3P		5ST3 710	51.—	027	0.430 20
End caps for 5ST3 7, can be cut						
 5ST3 7	Required to isolate the ends of cut-to-length busbars for 1-phase busbars		5ST3 748	0.53	027	0.001 10
	for 2- and 3-phase busbars		5ST3 750	0.83	027	0.001 10