

CIRCUIT BREAKER 230V 4.5KA, 1+N-POLE/1MW, C 6A



Figure similar

Model	
Product brand name	SETRON
Product designation	Miniature circuit breaker
Design of the product	5SY miniature circuit breakers
General technical data	
Number of poles	2
Number of poles / Note	1P+N
Tripping characteristic class	C
circuit-breaker / Design	5SY3
Overvoltage category	3
Voltage	
Type of voltage	AC
Insulation voltage	250 V
• with single-phase operation / at AC / rated value	
Supply voltage	

Supply voltage / at AC / rated value	230 V
Supply voltage frequency / rated value	50 Hz
Protection class	
Protection class IP	IP20, with connected conductors
Energy limiting class	3
Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	4.5 kA
Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	0.9 W
• maximum	1.1 W
Electricity	
rated current I _n / IEC, DIN/VDE / at 40 °C	5.76 A
Current / at AC / rated value	6 A
Main circuit	
Operating voltage	
• minimum	24 V
• with single-phase operation / at AC / maximum	250 V
Suitability for operation	Residential buildings/infrastructure
Product details	
Product feature / Touch protection	Yes
Product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Product function	
Product function / neutral conductor switching	Yes
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6
Connections	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	16 mm ²
Connectable conductor cross-section	

• solid — minimum — maximum • finely stranded / with core end processing — minimum — maximum	0.75 mm ² 16 mm ² 0.75 mm ² 10 mm ²
Tightening torque / with screw-type terminals	
• minimum • maximum	2 N·m 2.5 N·m
Position / of power supply cord	Any

Mechanical Design

Height	90 mm
Depth	76 mm
Mounting position	any
Installation depth	70 mm
Number of width units	1
Net weight	108 g

Environmental conditions

Degree of pollution	2
Vibration resistance / acc. to IEC 60068-2-6	Yes
Ambient temperature	
• minimum • maximum • during storage / minimum • during storage / maximum	-25 °C 45 °C -40 °C 75 °C

General Product Approval

Declaration of Conformity

Test Certificates



[Miscellaneous](#)



[Miscellaneous](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY3006-7>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SY3006-7>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY3006-7

CAX-Online-Generator

<http://www.siemens.com/cax>

