

Miniature circuit breaker 230 V 6kA, 1+N-pole/1 MW, C 2A



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
General technical data	
Number of poles / Note	1P+N
Tripping characteristic class	C
Mechanical service life (switching cycles) / typical	4 000
Overvoltage category	III
Degree of pollution	2
Voltage	
Supply voltage / with single-phase operation / at AC / rated value	230 V
Supply voltage	
Type of voltage	AC
Operating current / at AC / rated value	2 A
Supply voltage	230 V
• at AC / rated value	
Operating voltage	

- minimum 24 V
- with single-phase operation / at AC / maximum 250 V

Protection class

Protection class IP IP20, with connected conductors

Switching capacity

Switching capacity current

- acc. to EN 60898 / rated value 6 kA

 Energy limiting class 3

Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole 1.2 W

Product details

Product function / neutral conductor switching Yes

Product feature / Touch protection Yes

Product component

- combined terminal top No
- combined terminal bottom No

Product feature

- Properties for main switches in accordance with EN 60204-1 No
- halogen-free Yes
- sealable Yes
- silicon-free Yes

Product extension / can be installed / supplementary devices Yes

Connections

Connectable conductor cross-section / solid

- minimum 0.75 mm²
- maximum 16 mm²

Connectable conductor cross-section / stranded

- minimum 0.75 mm²
- maximum 16 mm²

Connectable conductor cross-section / finely stranded / with core end processing

- minimum 0.75 mm²
- maximum 10 mm²

Tightening torque [lbf·in] / with screw-type terminals

- minimum 17.7 lbf·in
- maximum 22.1 lbf·in

Tightening torque / with screw-type terminals

- minimum 2 N·m

• maximum	2.5 N·m
Position / of power supply cord	Any

Mechanical Design

Height	90 mm
Width	18 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	1
Mounting type	standard rail
Mounting position	any
Net weight	127 g

Environmental conditions

Influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Vibration resistance / acc. to IEC 60068-2-6	Yes
Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6

Certificates

Reference code	
• acc. to DIN EN 81346-2	F

General Product Approval	Declaration of Conformity	Test Certificates
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[Miscellaneous](#)



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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=5SY6002-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY6002-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6002-7

Cx-Online-Generator

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



