

Miniature circuit breaker 230 V 4.5 kA, 1+N-pole/1 MW, C 16 A



Figure similar

Model	
Product brand name	SENTRON
General technical data	
Number of poles / Note	1P+N
(tripping characteristic class)	C
Overvoltage category	III
Voltage	
Type of voltage	AC
Supply voltage	
Supply voltage	
• at AC / rated value	230 V
Operating voltage	
• minimum	24 V
• with single-phase operation / at AC / maximum	250 V
Protection class	
Protection class IP	IP20, with connected conductors

(energy limitation 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	2.1 W
Electricity	
Current / at AC / rated value	16 A
Product details	
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 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
Position / of power supply cord	Any
Mechanical Design	
(height)	90 mm
Width	18 mm
Depth	76 mm
(mounting position)	any
Installation depth	70 mm
Number of width units	1
(mounting type)	standard rail
(net weight)	108 g

Environmental conditions

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

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=5SY3016-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY3016-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY3016-7

CAX-Online-Generator

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

Tender specifications

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