

Miniature circuit breaker 230 V 4.5 kA, 1+N-pole/1 MW, C 2A



Figure similar

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
Voltage	
Supply voltage / with single-phase operation / at AC / rated value	230 V
Supply voltage	
Type of voltage	AC
Current / at AC / rated value	2 A
Supply voltage	
• at AC / rated value	230 V

Operating voltage	
<ul style="list-style-type: none"> • minimum 	24 V
<ul style="list-style-type: none"> • with single-phase operation / at AC / maximum 	250 V

Protection class

Protection class IP	IP20, with connected conductors
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Switching capacity

Switching capacity current	
<ul style="list-style-type: none"> • acc. to EN 60898 / rated value 	4.5 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
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Product details

Product function / neutral conductor switching	Yes
Product feature / Touch protection	Yes
Product component	
<ul style="list-style-type: none"> • combined terminal top 	No
<ul style="list-style-type: none"> • combined terminal bottom 	No
Product feature	
<ul style="list-style-type: none"> • Properties for main switches in accordance with EN 60204-1 	No
<ul style="list-style-type: none"> • halogen-free 	Yes
<ul style="list-style-type: none"> • sealable 	Yes
<ul style="list-style-type: none"> • silicon-free 	Yes

Connections

<ul style="list-style-type: none"> • Connectable conductor cross-section <ul style="list-style-type: none"> — solid — stranded 	0.75 ... 16 mm ²
<ul style="list-style-type: none"> • Connectable conductor cross-section / finely stranded / with core end processing 	0.75 ... 10 mm ²
Tightening torque [lbf·in] / with screw-type terminals	17.7 ... 22.1 lbf·in
Tightening torque / with screw-type terminals	2 ... 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	130 g

Environmental conditions

Vibration resistance / acc. to IEC 60068-2-6	Yes
Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +75 °C

Certificates

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

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=5SY3002-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY3002-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY3002-7

CAX-Online-Generator

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

Tender specifications

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