



Miniature circuit breaker 230 V 10kA, 1+N-pole, C, 20 A

Model	
product brand name	SETRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
design of pole	1P+N
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui)	
• with single-phase operation at AC rated value	250 V
operational current	
• at 30 °C rated value	20 A
• at 40 °C rated value	18.94 A
• at 55 °C rated value	17.24 A
• at AC rated value	20 A
Supply voltage	
supply voltage at AC rated value	230 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
• at DC rated value maximum	72 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
• according to EN 60898 rated value	10 kA
• according to IEC 60947-2 rated value	10 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	2 W
suitability for operation	Residential buildings/infrastructure
Product details	
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes

product extension installable supplementary devices	Yes
---	-----

Connections

connectable conductor cross-section solid	
• minimum	0.75 mm ²
• maximum	25 mm ²
connectable conductor cross-section stranded	
• minimum	0.75 mm ²
• maximum	25 mm ²
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm ²
• maximum	25 mm ²
tightening torque with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m

Mechanical Design

height	90 mm
width	36 mm
depth	76 mm
installation depth	70 mm
number of modular width units	2
mounting position	any
net weight	295 g

Environmental conditions

ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C

Approvals Certificates

General Product Approval



[Confirmation](#)



General Product Approval	Test Certificates	other	Environment
--------------------------	-------------------	-------	-------------



[Miscellaneous](#)

[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=5SL4520-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4520-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4520-7

CAX-Online-Generator

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

Tender specifications

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



