

Miniature circuit-breaker DC max. 1000V 10 kA 4-pole C6

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	4
design of pole	4P
tripping characteristic class	C
mechanical service life (operating cycles) typical	8 500
overvoltage category	2
degree of pollution	2
Voltage	
type of voltage of the operating voltage	DC
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.
- operational current — at 30 °C rated value — at 40 °C rated value — at 50 °C rated value — at 55 °C rated value — at 60 °C rated value	6 A 5.5 A 5.1 A 4.8 A 4.5 A
Supply voltage	
operating voltage at DC rated value maximum	880 V
Protection class	
protection class IP	IP20, with connected conductors
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.6 W
suitability for operation	Residential buildings/infrastructure
Product details	
product feature touch protection	Yes
product component neutral conductor switching	No
product feature halogen-free	Yes
product feature sealable	Yes
product feature silicon-free	Yes
product extension installable supplementary devices	Yes
Connections	
connectable conductor cross-section solid minimum	0.75 mm ²
connectable conductor cross-section stranded - minimum - maximum	0.75 mm ² 35 mm ²
connectable conductor cross-section finely stranded with core end processing - minimum - maximum	0.75 mm ² 25 mm ²
tightening torque with screw-type terminals - minimum - maximum	2.5 N·m 3 N·m

Mechanical Design	
height	90 mm
width	72 mm
depth	76 mm
installation depth	70 mm
number of modular width units	4
mounting position	any
Net Weight	584 g

Environmental conditions	
vibration resistance according to IEC 60068-2-6	no
ambient temperature during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C

Approvals Certificates			
Environment	General Product Approval	Test Certificates	other

[Environmental Con-
firmations](#)

[Environmental Con-
firmations](#)



[Confirmation](#)

[Miscellaneous](#)

[Confirmation](#)

other	Dangerous goods
-------	-----------------



[Transport Information](#)

Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL5406-7RC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL5406-7RC>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL5406-7RC

CAX-Online-Generator

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

Tender specifications

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

Characteristic curves

https://curves.simar.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>



