

Miniature circuit-breaker DC max. 1000V 10 kA 4-pole C25

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	II
degree of pollution	2
Voltage	
type of voltage of the operating voltage	DC
operational current	
• at 30 °C rated value	25 A
• at 40 °C rated value	23 A
• at 50 °C rated value	21.3 A
• at 55 °C rated value	20 A
• at 60 °C rated value	18.8 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	2.8 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
connectable conductor cross-section stranded	
• minimum	0.75 mm ²
• maximum	35 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	72 mm
depth	76 mm
installation depth	70 mm

number of modular width units	4
mounting position	any
net weight	608 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			
General Product Approval	Test Certificates	other	Dangerous Good

[Confirmation](#)



[Miscellaneous](#)

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[Transport Information](#)

Environment

[Environmental Con-
firmations](#)

[Environmental Con-
firmations](#)

Further information

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=5SL5425-7RC>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SL5425-7RC>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL5425-7RC
CAx-Online-Generator
<http://www.siemens.com/cax>
Tender specifications
<http://www.siemens.com/specifications>



