

Miniature circuit-breaker DC max. 1000V 10 kA 4-pole C16

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.
<ul style="list-style-type: none"> • operational current <ul style="list-style-type: none"> — 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 	16 A 15 A 14.2 A 13.6 A 13 A
Supply voltage	
operating voltage <ul style="list-style-type: none"> • 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	2.1 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 <ul style="list-style-type: none"> • minimum 	0.75 mm ²
connectable conductor cross-section stranded <ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 35 mm ²
connectable conductor cross-section finely stranded with core end processing <ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 25 mm ²
tightening torque with screw-type terminals <ul style="list-style-type: none"> • 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	582 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

[Environmental Confirmations](#)



General Product Approval	For use in hazardous locations
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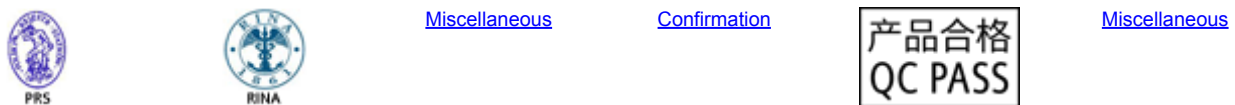
Test Certificates	Maritime application
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[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Maritime application	other
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Railway	
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[Confirmation](#) [Special Test Certificate](#)

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=5SL5416-7RC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL5416-7RC>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL5416-7RC

CAX-Online-Generator

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

Tender specifications

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

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>





last modified:

10/10/2025 

