



Miniature circuit breaker 400 V 6kA, 2-pole, B, 10A, D=70 mm with screwless outgoing terminals

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	Miniature circuit breaker 5SJ6
General technical data	
number of poles	2
design of pole	2P
tripping characteristic class	B
mechanical service life (operating cycles) typical	20 000
overvoltage category	3
degree of pollution	2
Voltage	
insulation voltage (Ui) at AC rated value	440 V
Supply voltage	
supply voltage	
• at AC rated value	400 V
• at DC rated value	60 V
operating voltage	
• with multi-phase operation at AC maximum	440 V
• at DC rated value maximum	60 V
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
• according to EN 60898 rated value	6 kA
• according to IEC 60947-2 rated value	6 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.5 W
suitability for operation	Residential buildings/infrastructure
Product details	
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	No
Connections	
connectable conductor cross-section on plug-type connection	

using the upper clamping point without core end processing	
• minimum	1.5 mm ²
• maximum	4 mm ²
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	1.5 mm ²
• maximum	2.5 mm ²

Mechanical Design

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

Environmental conditions

influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
ambient temperature during operation	
• minimum	-25 °C
• maximum	45 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C

General Product Approval	Declaration of Conformity	other
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[Confirmation](#)



[Confirmation](#)

other

[Miscellaneous](#)

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=5SJ6210-6KS>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SJ6210-6KS>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6210-6KS

CAX-Online-Generator

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

Tender specifications

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

