



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 20 A, D=70 mm with screwless outgoing terminals

Figure similar

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	Miniature circuit breaker 5SJ6
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	C
mechanical service life (operating cycles) typical	20 000
overvoltage category	3
degree of pollution	2
Voltage	
insulation voltage (U _i) at AC rated value	440 V
<ul style="list-style-type: none"> operational current at AC rated value 	20 A
Supply voltage	
supply voltage	
<ul style="list-style-type: none"> at AC at DC rated value 	400 V 60 V
operating voltage	
<ul style="list-style-type: none"> with multi-phase operation at AC maximum at DC rated value maximum 	440 V 60 V
supply voltage frequency rated value	50 Hz
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
<ul style="list-style-type: none"> according to EN 60898 rated value according to IEC 60947-2 rated value 	6 kA 6 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	2.2 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	No

Connections

connectable conductor cross-section on plug-type connection using the upper clamping point without core end processing	
<ul style="list-style-type: none"> • minimum • maximum 	1.5 mm ² 4 mm ²
connectable conductor cross-section solid	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 25 mm ²
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 25 mm ²
connectable conductor cross-section finely stranded with core end processing	
<ul style="list-style-type: none"> • minimum • maximum 	1.5 mm ² 2.5 mm ²

Mechanical Design

height	90 mm
width	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
fastening method	DIN rail
mounting position	any
Net Weight	122 g

Environmental conditions

influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
ambient temperature during operation	
<ul style="list-style-type: none"> • minimum • maximum 	-25 °C 45 °C
ambient temperature during storage	
<ul style="list-style-type: none"> • minimum • maximum 	-40 °C 75 °C

Approvals Certificates

Environment	General Product Approval
-------------	--------------------------

[Environmental Confirmations](#)



[Confirmation](#)



other

[Confirmation](#)



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=5SJ6120-7KS>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SJ6120-7KS>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6120-7KS

CAX-Online-Generator

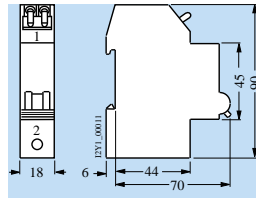
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

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



last modified:

7/19/2025 

