

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 20 A, 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	1
Number of poles / Note	1P
Tripping characteristic class	C
circuit-breaker / Design	5SJ6
Mechanical service life (switching cycles) / typical	20 000
Overvoltage category	3
Voltage	
Insulation voltage / at AC / rated value	440 V
Supply voltage	
Type of voltage	AC/DC
Current / at AC / rated value	20 A
Supply voltage / at AC / rated value	400 V
Operating voltage	

<ul style="list-style-type: none"> <li>• with multi-phase operation / at AC / maximum</li> <li>• at DC / rated value / maximum</li> </ul>	440 V 60 V
Supply voltage frequency	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	50 Hz

#### Protection class

Protection class IP	IP20, with connected conductors
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#### Switching capacity

Switching capacity current	
<ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> <li>• acc. to IEC 60947-2 / rated value</li> </ul>	6 kA 6 kA
Energy limiting 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 function / neutral conductor switching	No
Product feature / Touch protection	Yes
Product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• sealable</li> <li>• silicon-free</li> </ul>	Yes Yes Yes
Product extension / can be installed / supplementary devices	No

#### Connections

<ul style="list-style-type: none"> <li>• Connectable conductor cross-section / on plug-type connection / using the upper clamping point / without core end processing</li> <li>• Connectable conductor cross-section <ul style="list-style-type: none"> <li>— solid</li> <li>— stranded</li> </ul> </li> <li>• Connectable conductor cross-section / finely stranded / with core end processing</li> </ul>	1.5 ... 4 mm <sup>2</sup>  0.75 ... 25 mm <sup>2</sup> 0.75 ... 25 mm <sup>2</sup> 1.5 ... 2.5 mm <sup>2</sup>
Type of electrical connection / Plug-in terminals / Note	Screwless terminals on the outgoing side for 1.5 to 4mm <sup>2</sup>

#### Mechanical Design

Height	90 mm
Width	18 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	1

Mounting position	any
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### Environmental conditions

Influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Ambient temperature	-25 ... +45 °C
• during storage	-40 ... +75 °C

### Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>
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[Miscellaneous](#)

### Further information

**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=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, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ6120-7KS](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6120-7KS)

**CAX-Online-Generator**

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

**Tender specifications**

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

