



Figure similar

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
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 (Ui) at AC rated value	440 V
operational current	
• at AC rated value	20 A
Supply voltage	
supply voltage	
• at AC	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
Breaking 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	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

• 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	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	
• minimum	-25 °C
• maximum	45 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C

Approvals Certificates

General Product Approval	other
--------------------------	-------



[Confirmation](#)

[Miscellaneous](#)

Environment

[Environmental Confirmations](#)

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=5SJ6120-7KS>

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

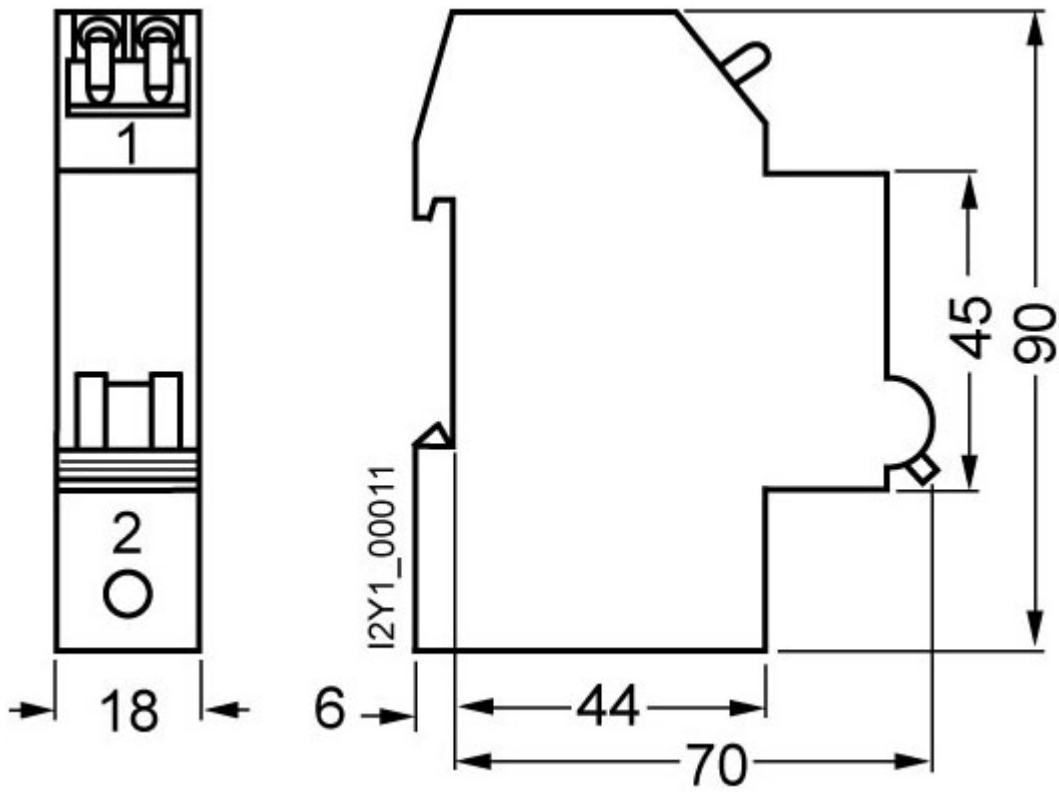
<https://support.industry.siemens.com/cs/ww/en/ps/5SJ6120-7KS>

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

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

CAX-Online-Generator

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



last modified: 4/12/2025

