



Miniature circuit breaker 230/400 V 6kA, 1-pole, B, 16A, 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	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
• operational current at AC rated value	16 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	1.9 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	
• 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	118 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	
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=5SJ6116-6KS Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ6116-6KS Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)	

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6116-6KS

CAX-Online-Generator

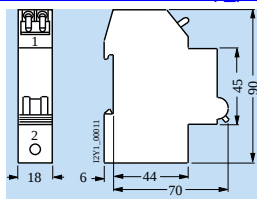
<https://www.siemens.com/cax>

Tender specifications

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

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)



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