SIEMENS

Data sheet 5SJ6116-6KS



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

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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 mm²
● maximum	4 mm²
connectable conductor cross-section solid	
● minimum	0.75 mm²
● maximum	25 mm²
connectable conductor cross-section stranded	
● minimum	0.75 mm²
● maximum	25 mm²
connectable conductor cross-section finely stranded with core end processing	
● minimum	1.5 mm²
● maximum	2.5 mm²
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
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 Con-firmations	VDE	EAC	Confirmation	CE EG-Konf.	UKCA

other	
Confirmation	产品合格 QC PASS

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, ...)

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

CAx-Online-Generator

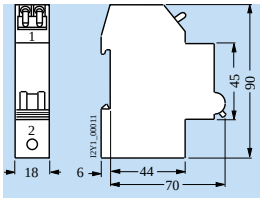
https://www.siemens.com/cax

Tender specifications

https://www.siemens.com/specifications

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https://curves.simaris.siemens.com/curves/5SJ6116-6KS



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