



Figure similar

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 10A, 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	10 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	1.3 W
suitability for operation	Residential buildings/infrastructure
Product details	
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
mounting position	any
net weight	111 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](#)



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other	Environment
Miscellaneous	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=5SJ6110-7KS Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SJ6110-7KS Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ6110-7KS CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications

