

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 20 A, D=70 mm
with screwless outgoing terminals



Figure similar

Model	
Product brand name	SETRON
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	
Type of voltage	AC/DC
Insulation voltage / at AC / rated value	440 V
Supply voltage	
Supply voltage / at AC / rated value	400 V

Supply voltage frequency / rated value	50 Hz
Protection class	
Protection class IP	IP20, with connected conductors
Energy limiting class	3
Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.2 W
Electricity	
Current / at AC / rated value	20 A
Main circuit	
Operating voltage	
• minimum	24 V
• at DC / rated value / maximum	60 V
• with single-phase operation / at AC / maximum	250 V
• with multi-phase operation / at AC / maximum	440 V
Suitability for operation	Residential buildings/infrastructure
Product details	
Product feature / Touch protection	Yes
Product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	No
Product function	
Product function / neutral conductor switching	No
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6
Connections	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	25 mm ²
Connectable conductor cross-section	

- on plug-type connection / using the upper clamping point / without core end processing

— minimum

1.5 mm²

— maximum

4 mm²

- solid

— minimum

0.75 mm²

— maximum

25 mm²

Type of electrical connection / Plug-in terminals / Note

Screwless terminals on the outgoing side for 1.5 to 4mm²

Mechanical Design

Height 90 mm

Width 18 mm

Depth 76 mm

Mounting position any

Installation depth 70 mm

Number of width units 1

Environmental conditions

Degree of pollution 2

Influence of the surrounding temperature Periodically +55°C, max. 95% humidity

Ambient temperature

- minimum

-25 °C

- maximum

45 °C

- during storage / minimum

-40 °C

- during storage / maximum

75 °C

Certificates

Reference code

- acc. to DIN EN 61346-2

F

- acc. to DIN EN 81346-2

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General Product Approval

Declaration of Conformity

Test Certificates

[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>

