



Figure similar

Model	
product brandname	SENTRON
Design of the product	Main miniature circuit breakers
General technical data	
Number of poles	1
Number of poles / Note	1P
Tripping characteristic class	E
circuit-breaker / Design	5SP3
Mechanical service life (switching cycles) / typical	20 000
Overvoltage category	IV
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Supply voltage	
Supply voltage / at AC / rated value	230 V
Supply voltage frequency / rated value	50 Hz

Protection class	
Protection class IP	IP20, with connected conductors
Switching capacity	
Switching capacity current	
• rated value	25 kA
• acc. to EN 60898 / rated value	25 kA
Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	13.5 W
• maximum	13.5 W
Electricity	
Current / at AC / rated value	80 A
Main circuit	
Operating voltage / rated value	
• minimum	110 V
• maximum	440 V
Product details	
Product component	
• saddle terminals	Yes
Product feature	
• Properties for main switches in accordance with EN 60204-1	Yes
• sealable	Yes
Product function	
Product function / neutral conductor switching	No
Display and operation	
Display version / for switch position indicator	OFF = green, ON = red
Connections	
Connectable conductor cross-section / stranded	
• minimum	2.5 mm ²
• maximum	70 mm ²
Connectable conductor cross-section	
• solid	
— minimum	2.5 mm ²
— maximum	50 mm ²
• finely stranded / with core end processing	
— minimum	2.5 mm ²
— maximum	50 mm ²

Position / of power supply cord	Any
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Mechanical Design

Height	145 mm
Depth	91 mm
Depth / of the enclosure	92 mm
Number of width units	2
Mounting type	standard rail
Mounting type / other installation / Note	With accessories on 35 mm standard mounting rail or busbar or screw fixing
Net weight	492 g

Environmental conditions

Degree of pollution	3
Shock resistance	30 g, at least 3 impacts, impact duration 11 ms
Vibration resistance / acc. to IEC 60068-2-6	2 g, 20 frequency cycles 5 to 150 to 15 Hz
Ambient temperature	
• minimum	-25 °C
• maximum	55 °C
• during storage / minimum	-40 °C
• during storage / maximum	70 °C

General Product Approval	Declaration of Conformity
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SP3780>

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

<http://support.automation.siemens.com/WW/view/en/5SP3780/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3780

CAX-Online-Generator

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

Tender specifications

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

