

Miniature circuit breaker 230 V 6kA, 1+N-pole, C, 6A



Model	
product brand name	SENTRON
Product designation	Miniature circuit breaker
Design of the product	5SL miniature circuit breakers
General technical data	
number of poles	2
Number of poles / Note	1P+N
Tripping characteristic class	C
circuit-breaker / Design	5SL6
Mechanical service life (switching cycles) / typical	10 000
overvoltage category	3
Degree of pollution	2
Voltage	
Insulation voltage	250 V
<ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul>	
Supply voltage	
type of voltage	AC

Operating current / at AC / rated value	6 A
Supply voltage / at AC / rated value	230 V
Operating voltage	
• at DC / rated value / maximum	72 V
Supply voltage frequency	
• rated value	50 Hz

Protection class	
Protection class IP	IP20, with connected conductors

Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
Energy limiting class	3

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.7 W

Current	
Tripping residual / rated value / derated current / at 40 Cel	5.64 A
Suitability for operation	Residential buildings/infrastructure

Product details	
Product function / neutral conductor switching	Yes
Product feature / Touch protection	Yes
• product feature / halogen-free	Yes
• Product feature / sealable	Yes
• product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes

Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
Connectable conductor cross-section / stranded	
• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m

- maximum

3 N·m

### Mechanical Design

Height	90 mm
Width	36 mm
Depth	76 mm
installation depth	70 mm
number of width units	2
mounting position	any
net weight	210 g

### Environmental conditions

influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C

### Certificates

• reference code / acc. to DIN EN 61346-2	F
• Reference code / acc. to DIN EN 81346-2	F

#### General Product Approval

#### Declaration of Conformity



[TSE](#)



### 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?mfb=5SL6506-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6506-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SL6506-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SL6506-7)

#### CAX-Online-Generator

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

#### Tender specifications

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



