

Miniature circuit breaker 400 V 6kA, 4-pole, C, 32 A



Model	
product brand name	SENTRON
Product designation	Miniature circuit breaker
Design of the product	5SL miniature circuit breakers
General technical data	
number of poles	4
Number of poles / Note	4P
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	
• with multi-phase operation / at AC / rated value	440 V
Supply voltage	
type of voltage	AC
Operating current / at AC / rated value	32 A

Supply voltage / at AC / rated value	400 V
Operating voltage	
<ul style="list-style-type: none"> <li>• with multi-phase operation / at AC / maximum</li> <li>• at DC / rated value / maximum</li> </ul>	440 V 72 V
Supply voltage frequency	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	50 Hz
<b>Protection class</b>	
Protection class IP	IP20, with connected conductors
<b>Switching capacity</b>	
Switching capacity current	
<ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> <li>• acc. to IEC 60947-2 / rated value</li> </ul>	6 kA 6 kA
Energy limiting class	3
<b>Dissipation</b>	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.1 W
<b>Current</b>	
Tripping residual / rated value / derated current / at 40 Cel	30.45 A
Suitability for operation	Residential buildings/infrastructure
<b>Product details</b>	
Product function / neutral conductor switching	No
Product feature / Touch protection	Yes
<ul style="list-style-type: none"> <li>• product feature / halogen-free</li> <li>• Product feature / sealable</li> <li>• product feature / silicon-free</li> </ul>	Yes Yes Yes
Product extension / can be installed / supplementary devices	Yes
<b>Connections</b>	
connectable conductor cross-section / solid	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 25 mm <sup>2</sup>
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 25 mm <sup>2</sup>
connectable conductor cross-section / finely stranded / with core end processing	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	0.75 mm <sup>2</sup> 25 mm <sup>2</sup>
Tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	2.5 N·m

- maximum

3 N·m

### Mechanical Design

Height	90 mm
Width	72 mm
Depth	76 mm
installation depth	70 mm
number of width units	4
mounting position	any
net weight	580 g

### Environmental conditions

influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Ambient temperature	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	45 °C
Ambient temperature / during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-40 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	75 °C

### Certificates

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

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### General Product Approval

### Declaration of Conformity



### 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=5SL6432-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6432-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SL6432-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SL6432-7)

#### CAX-Online-Generator

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

#### Tender specifications

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



