

Miniature circuit breaker 400 V 10kA, 2-pole, B, 8A



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	2P
Tripping characteristic class	B
circuit-breaker / Design	5SL4
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	8 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

Protection class	
Protection class IP	IP20, with connected conductors

Switching capacity	
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>	10 kA 10 kA
Energy limiting class	3

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.4 W

Current	
Tripping residual / rated value / derated current / at 40 Cel	7.39 A
Suitability for operation	Residential buildings/infrastructure

Product details	
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

Connections	
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	36 mm
Depth	76 mm
installation depth	70 mm
number of width units	2
mounting position	any
net weight	290 g

### Environmental conditions

influence of the surrounding temperature	+55 °C, max. 95% humidity
Ambient temperature	
• minimum	-25 °C
• maximum	55 °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

Test Certific-  
ates



[Miscellaneous](#)



[Miscellaneous](#)

EG-Konf.

### 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=5SL4208-6>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4208-6>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL4208-6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4208-6)

#### CAX-Online-Generator

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

#### Tender specifications

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



