

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 2A



Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	5SL miniature circuit breakers
General technical data	
number of poles	1
number of poles / note	1P
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
insulation voltage	
<ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul>	250 V
<ul style="list-style-type: none"> <li>with multi-phase operation / at AC / rated value</li> </ul>	440 V
Supply voltage	
type of voltage	AC

operational current / at AC / rated value	2 A
supply voltage / at AC / rated value	400 V
operating voltage	
• with multi-phase operation / at AC / maximum	440 V
• at DC / rated value / maximum	72 V
supply voltage frequency	
• rated value	50 Hz

<b>Protection class</b>	
protection class IP	IP20, with connected conductors

<b>Switching capacity</b>	
switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
energy limitation class	3

<b>Dissipation</b>	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.2 W
suitability for operation	Residential buildings/infrastructure





<b>Product details</b>	
product function / neutral conductor switching	No
product feature / touch protection	Yes
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension / installable / supplementary devices	Yes

<b>Connections</b>	
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	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
net weight	120 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
• acc. to IEC 81346-2	F

General Product Approval	Declaration of Conformity
 	<a href="#">TSE</a>  

### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**  
[siemens.com/lowvoltage/catalogs](https://www.siemens.com/lowvoltage/catalogs)

**Industry Mall (Online ordering system)**  
[mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6102-7](https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6102-7)

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
[support.industry.siemens.com/cs/ww/en/ps/5SL6102-7](https://support.industry.siemens.com/cs/ww/en/ps/5SL6102-7)

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**  
[automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6102-7](https://automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6102-7)

**CAX-Online-Generator**  
[siemens.com/cax](https://www.siemens.com/cax)

**Tender specifications**  
[siemens.com/specifications](https://www.siemens.com/specifications)

