

CIRCUIT BREAKER 400V 6KA, 2POLE, 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	2
Number of poles / Note	2P
Tripping characteristic class	C
characteristic / Let-through current characteristic	DS_5SL6_C_2
circuit-breaker / Design	5SL6
Mechanical service life (switching cycles) / typical	10 000
Oversoltage category	3
Voltage	
Type of voltage	AC
Insulation voltage	
<ul style="list-style-type: none"> <li>with multi-phase operation / at AC / rated value</li> </ul>	440 V
Supply voltage	
Supply voltage / at AC / rated value	400 V

Supply voltage frequency / rated value	50 Hz
<b>Protection class</b>	
<b>Protection class IP</b>	IP20, with connected conductors
<b>Energy limiting class</b>	3
<b>Switching capacity</b>	
<b>Switching capacity current</b>	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
<b>Dissipation</b>	
<b>Power loss [W]</b>	
• for rated value of the current / at AC / in hot operating state / per pole	1.2 W
• maximum	2.4 W
<b>Electricity</b>	
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	1.90332 A
Current / at AC / rated value	2 A
<b>Current limitation characteristic, no. / Let-through energy</b>	DE_5SL6_C_2
<b>Main circuit</b>	
<b>Operating voltage</b>	
• minimum	24 V
• at DC / rated value / maximum	60 V
• with multi-phase operation / at AC / maximum	440 V
<b>Suitability for operation</b>	Residential buildings/infrastructure
<b>Product details</b>	
Product feature / Touch protection	Yes
<b>Product feature</b>	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
<b>Product function</b>	
Product function / neutral conductor switching	No
<b>Number</b>	
<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>	6
<b>Connections</b>	
<b>Connectable conductor cross-section / stranded</b>	

<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>0.75 mm<sup>2</sup></p> <p>25 mm<sup>2</sup></p>
<b>Connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>• solid <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> <li>• finely stranded / with core end processing <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> </ul>	<p>0.75 mm<sup>2</sup></p> <p>25 mm<sup>2</sup></p> <p>0.75 mm<sup>2</sup></p> <p>25 mm<sup>2</sup></p>
<b>Tightening torque / with screw-type terminals</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>2.5 N·m</p> <p>3 N·m</p>

### Mechanical Design

<b>Height</b>	90 mm
<b>Width</b>	36 mm
<b>Depth</b>	76 mm
<b>Mounting position</b>	any
<b>Installation depth</b>	70 mm
<b>Number of width units</b>	2
<b>Net weight</b>	275 g

### Environmental conditions

<b>Degree of pollution</b>	2
<b>Influence of the surrounding temperature</b>	Periodically +55°C, max. 95% humidity
<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> <li>• during storage / minimum</li> <li>• during storage / maximum</li> </ul>	<p>-25 °C</p> <p>45 °C</p> <p>-40 °C</p> <p>75 °C</p>

### Certificates

<b>Equipment marking</b>	
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN EN 81346-2</li> </ul>	<p>F</p> <p>F</p>

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>
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[TSE](#)



[Miscellaneous](#)

### 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=5SL6202-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6202-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6202-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6202-7)

**CAX-Online-Generator**

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

**Tender specifications**

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



