

CIRCUIT BREAKER 230/400V 6KA, 1POLE, C, 6A



Model	
Product brand name	SETRON
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
characteristic / Let-through current characteristic	DS_5SL6_C_6
circuit-breaker / Design	5SL6
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	3
Voltage	
Type of voltage	AC
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	
Supply voltage / at AC / rated value	400 V
Supply voltage frequency / rated value	50 Hz
Protection class	
<b>Protection class IP</b>	IP20, with connected conductors
<b>Energy limiting class</b>	3
Switching capacity	
<b>Switching capacity current</b>	
<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
Dissipation	
<b>Power loss [W]</b>	
<ul style="list-style-type: none"> <li>• for rated value of the current / at AC / in hot operating state / per pole</li> <li>• maximum</li> </ul>	0.7 W 0.7 W
Electricity	
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	5.63602 A
Current / at AC / rated value	6 A
<b>Current limitation characteristic, no. / Let-through energy</b>	DE_5SL6_C_6
Main circuit	
<b>Operating voltage</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• at DC / rated value / maximum</li> <li>• with single-phase operation / at AC / maximum</li> <li>• with multi-phase operation / at AC / maximum</li> </ul>	24 V 60 V 250 V 440 V
<b>Suitability for operation</b>	Residential buildings/infrastructure
Product details	
Product feature / Touch protection	Yes
<b>Product feature</b>	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• sealable</li> <li>• silicon-free</li> </ul>	Yes Yes Yes
Product extension / can be installed / supplementary devices	Yes
Product function	
Product function / neutral conductor switching	No
Number	
<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>	6

## Connections

<b>Connectable conductor cross-section / stranded</b>	
• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
<b>Connectable conductor cross-section</b>	
• solid	
— minimum	0.75 mm <sup>2</sup>
— maximum	25 mm <sup>2</sup>
• finely stranded / with core end processing	
— minimum	0.75 mm <sup>2</sup>
— maximum	25 mm <sup>2</sup>
<b>Tightening torque / with screw-type terminals</b>	
• minimum	2.5 N·m
• maximum	3 N·m

## Mechanical Design




<b>Height</b>	90 mm
<b>Width</b>	18 mm
<b>Depth</b>	76 mm
<b>Mounting position</b>	any
<b>Installation depth</b>	70 mm
<b>Number of width units</b>	1
<b>Net weight</b>	115 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>	
• minimum	-25 °C
• maximum	45 °C
• during storage / minimum	-40 °C
• during storage / maximum	75 °C

## Certificates

<b>Equipment marking</b>	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

General Product Approval	Declaration of Conformity	Test Certificates
 	<a href="#">TSE</a>  EG-Konf.	<a href="#">Miscellaneous</a>

#### 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=5SL6106-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6106-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6106-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6106-7)

**CAX-Online-Generator**

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

**Tender specifications**

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

