

CIRCUIT BREAKER 230/400V 6KA, 1POLE, C, 2A



Model		
product brandname		SENTRON
Product designation		Miniature circuit breakers
Design of the product		5SL miniature circuit breakers
General technical data		
Number of poles		1
Number of poles / Note		1P
Tripping characteristic class		C
circuit-breaker / Design		5SL6
Mechanical service life (switching cycles) / typical		20 000
Overvoltage category		3
Voltage		
Type of voltage		AC/DC
Insulation voltage		
<ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul>	V	250
<ul style="list-style-type: none"> <li>with multi-phase operation / at AC / rated value</li> </ul>	V	440
Supply voltage		

Supply voltage frequency / rated value	Hz	50
<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	kA	6
• acc. to IEC 60947-2 / rated value	kA	6
<b>Dissipation</b>		
<b>Power loss [W]</b>		
• for rated value of the current / at AC / in hot operating state / per pole	W	1.2
• maximum	W	1.2
<b>Electricity</b>		
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	1.90332
Current / at AC / rated value	A	2
<b>Main circuit</b>		
<b>Operating voltage</b>		
• minimum	V	24
• at DC / rated value / maximum	V	60
• with single-phase operation / at AC / maximum	V	250
• with multi-phase operation / at AC / maximum	V	440
<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>		
• minimum	mm <sup>2</sup>	0.75
• maximum	mm <sup>2</sup>	35

<b>Connectable conductor cross-section</b>		
• solid		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	35
• finely stranded / with core end processing		
— minimum	mm <sup>2</sup>	0.75
— maximum	mm <sup>2</sup>	25
<b>Tightening torque / with screw-type terminals</b>		
• minimum	N·m	2.5
• maximum	N·m	3

### Mechanical Design

<b>Height</b>	mm	90
<b>Width</b>	mm	18
<b>Depth</b>	mm	76
<b>Mounting position</b>		any
<b>Installation depth</b>	mm	70
<b>Number of width units</b>		1
<b>Net weight</b>	g	150

### 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	°C	-25
• maximum	°C	45
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

### Certificates

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

## General Product Approval



[TSE](#)

Declaration of  
Conformity

Test Certificates



EG-Konf.

[sonstig](#)

## Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SL6102-7>

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

<http://support.automation.siemens.com/WW/view/en/5SL6102-7/all>

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

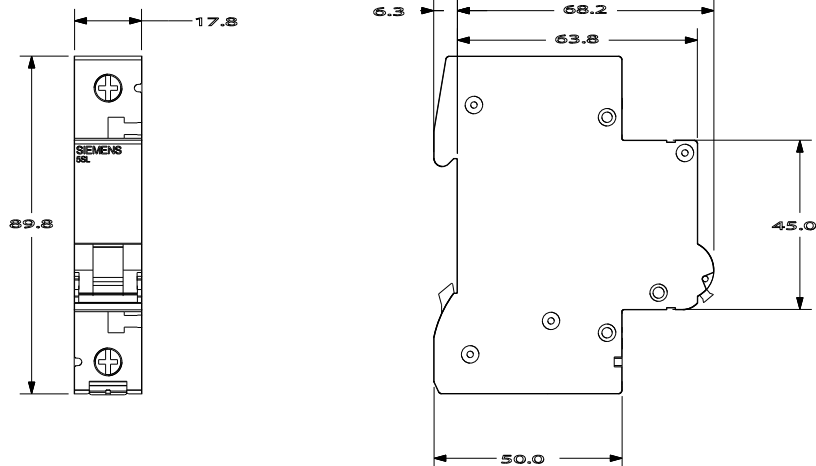
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6102-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6102-7)

**CAX-Online-Generator**

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

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



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