

CIRCUIT BREAKER 230/400V 6KA, 1POLE, B, 16A



Figure similar

Model		
product brand name		SENTRON
Product designation		Miniature circuit breakers
<b>Design of the product</b>		5SL miniature circuit breakers

General technical data		
<b>Number of poles</b>		1
<b>Number of poles / Note</b>		1P
<b>Tripping characteristic class</b>		B
<b>circuit-breaker / Design</b>		5SL6
<b>Mechanical service life (switching cycles) / typical</b>		20 000
<b>Overvoltage category</b>		3

Voltage		
<b>Insulation voltage</b>		
<ul style="list-style-type: none"> <li>with single-phase operation / with AC / Rated value</li> </ul>	V	440
<ul style="list-style-type: none"> <li>with multi-phase operation / with AC / Rated value</li> </ul>	V	440

Supply voltage		
Supply voltage frequency / Rated value	Hz	50

Protection class		
<b>Protection class IP</b>		IP20, with connected conductors
<b>Energy limiting class</b>		3

### Switching capacity

<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>Active power loss</b>		
• for rated value of the current / with AC / in hot operating state / per pole	W	1.9
<b>Electricity</b>		
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	A	15.22659
Current / with AC / Rated value	A	16
<b>Main circuit</b>		
<b>Operating voltage</b>		
• minimum	V	24
• for DC / Rated value / maximum	V	60
• with single-phase operation / with AC / maximum	V	250
• with multi-phase operation / with AC / maximum	V	440
<b>Product details</b>		
Product feature / Touch protection		Yes
<b>Product property</b>		
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product expansion / can be installed / supplementary devices		Yes
<b>Product function</b>		
Product function / neutral conductor switching		No
<b>Number</b>		
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		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

### Environmental conditions

<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



[other](#)

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



EG-Konf.

[other](#)

[other](#)

### 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/5SL61166>

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

<http://support.automation.siemens.com/WW/view/en/5SL61166/all>

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

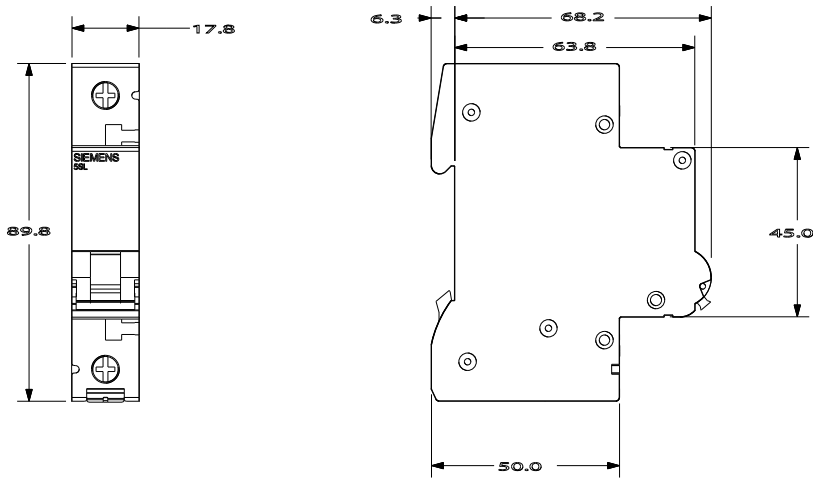
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL61166](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL61166)

**CAX-Online-Generator**

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

**Tender specifications**

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



last modified:

11.03.2015