

CIRCUIT BREAKER 230/400V 10KA, 1POLE, B, 50A



Figure similar

Model		
product brand name		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		B
circuit-breaker / Design		5SL4
Mechanical service life (switching cycles) / typical		10 000
Overvoltage category		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		
Protection class IP		IP20, with connected conductors
Energy limiting class		3

### Switching capacity

<b>Switching capacity current</b>		
• acc. to EN 60898 / Rated value	kA	10
• acc. to IEC 60947-2 / Rated value	kA	10
<b>Dissipation</b>		
<b>Active power loss</b>		
• for rated value of the current / with AC / in hot operating state / per pole	W	3.99
<b>Electricity</b>		
rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	A	46.19
Current / with AC / Rated value	A	50
<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>		+55 °C, max. 95% humidity
<b>Ambient temperature</b>		
• minimum	°C	-25
• maximum	°C	55
• 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

<b>General Product Approval</b>	<b>Declaration of Conformity</b>
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### 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/5SL41506>

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

<http://support.automation.siemens.com/WW/view/en/5SL41506/all>

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

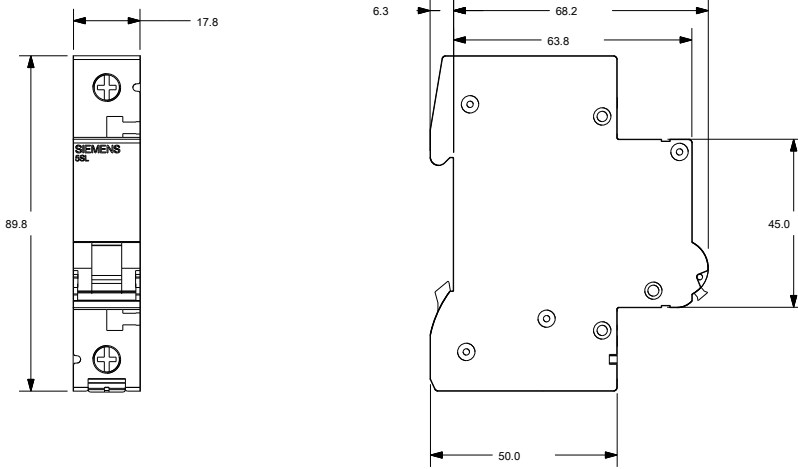
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL41506](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL41506)

CAx-Online-Generator

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

Tender specifications

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



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