

CIRCUIT BREAKER 230V 6KA, 1+N-POLE, B, 50A



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>		2
<b>Number of poles / Note</b>		1P+N
<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	250
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>		
<ul style="list-style-type: none"> <li>acc. to EN 60898 / Rated value</li> </ul>	kA	6

- acc. to IEC 60947-2 / Rated value

kA	6
----	---

### Dissipation

#### Active power loss

- for rated value of the current / with AC / in hot operating state / per pole

W	3.8
---	-----

### Electricity

rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	A	46.96682
--	---	----------

Current / with AC / Rated value	A	50
---------------------------------	---	----

### Main circuit

#### Operating voltage

- minimum
- for DC / Rated value / maximum
- with single-phase operation / with AC / maximum

V	24
---	----

V	60
---	----

V	250
---	-----

### Product details

Product feature / Touch protection		Yes
------------------------------------	--	-----

#### Product property

- halogen-free
- sealable
- silicon-free

Yes
-----

Yes
-----

Yes
-----

Product expansion / can be installed / supplementary devices		Yes
--	--	-----

### Product function

Product function / neutral conductor switching		Yes
--	--	-----

### Number

Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		6
--	--	---

### Connections

#### Connectable conductor cross-section / stranded

- minimum
- maximum

mm <sup>2</sup>	0.75
-----------------	------

mm <sup>2</sup>	35
-----------------	----

#### Connectable conductor cross-section

- solid
  - minimum
  - maximum
- finely stranded / with core end processing
  - minimum
  - maximum

mm <sup>2</sup>	0.75
-----------------	------

mm <sup>2</sup>	35
-----------------	----

mm <sup>2</sup>	0.75
-----------------	------

mm <sup>2</sup>	25
-----------------	----

#### Tightening torque / with screw-type terminals

- minimum

N·m	2.5
-----	-----

- maximum

N·m	3
-----	---

### Mechanical Design

Height	mm	90
Width	mm	72
Depth	mm	76
mounting position		any
Installation depth	mm	70
Number of width units		2

### Environmental conditions

Influence of the surrounding temperature		Periodically +55°C, max. 95% humidity
Ambient temperature		
• minimum	°C	-25
• maximum	°C	45
• during storage / minimum	°C	-40
• during storage / maximum	°C	75

### Certificates

Equipment marking		
• acc. to DIN EN 61346-2		F
• acc. to DIN EN 81346-2		F

### General Product Approval



[other](#)



General Product Approval	Declaration of Conformity	Test Certificates	other
--------------------------	---------------------------	-------------------	-------

[TSE](#)



EG-Konf.

[other](#)

[other](#)

### Further information

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

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

**Industry Mall (Online ordering system)**

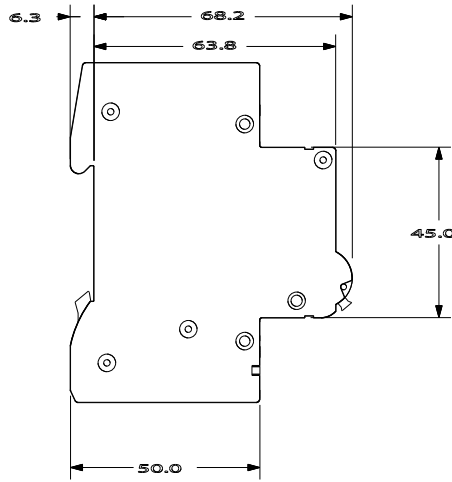
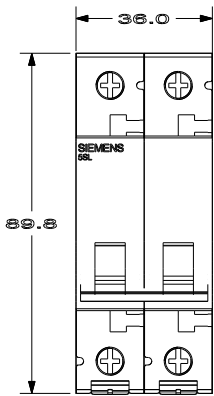
<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SL65506>

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

<http://support.automation.siemens.com/WW/view/en/5SL65506/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL65506](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL65506)



last modified:

11.03.2015