

CIRCUIT BREAKER 230V 10KA, 1+N-POLE, B, 1A



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
Design of the product	5SL miniature circuit breakers
General technical data	
Number of poles	2
Number of poles / Note	1P+N
Tripping characteristic class	B
circuit-breaker / Design	5SL4
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	3
Voltage	
Type of voltage	AC
Insulation voltage	250 V
<ul style="list-style-type: none"> <li>with single-phase operation / at AC / rated value</li> </ul>	
Supply voltage	
Supply voltage / at AC / rated value	230 V

Supply voltage frequency / rated value	50 Hz
<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	10 kA
• acc. to IEC 60947-2 / rated value	10 kA
<b>Dissipation</b>	
<b>Power loss [W]</b>	
• for rated value of the current / at AC / in hot operating state / per pole	2 W
• maximum	4 W
<b>Electricity</b>	
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	0.96 A
Current / at AC / rated value	1 A
<b>Main circuit</b>	
<b>Operating voltage</b>	
• minimum	24 V
• at DC / rated value / maximum	60 V
• with single-phase operation / at AC / maximum	250 V
<b>Suitability for operation</b>	Residential buildings/infrastructure
<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	Yes
<b>Number</b>	
<b>Number of test cycles / for environmental testing / acc. to IEC 60068-2-30</b>	28
<b>Connections</b>	
<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>	
<ul style="list-style-type: none"> <li>• solid <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> <li>• finely stranded / with core end processing <ul style="list-style-type: none"> <li>— minimum</li> <li>— maximum</li> </ul> </li> </ul>	0.75 mm <sup>2</sup> 25 mm <sup>2</sup> 0.75 mm <sup>2</sup> 25 mm <sup>2</sup>
<b>Tightening torque / with screw-type terminals</b>	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	2.5 N·m 3 N·m

Mechanical Design	
Height	90 mm
Width	36 mm
Depth	76 mm
Mounting position	any
Installation depth	70 mm
Number of width units	2
Net weight	285 g

Environmental conditions	
Degree of pollution	2
Influence of the surrounding temperature	+55 °C, max. 95% humidity

Certificates	
• Reference identifier / acc. to DIN EN 61346-2	F
• Reference identifier / acc. to DIN EN 81346-2	F

General Product Approval	Test Certificates
  	<a href="#">Miscellaneous</a> <a href="#">Miscellaneous</a>

Further information
<b>Information- and Downloadcenter (Catalogs, Brochures,...)</b> <a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a>
<b>Industry Mall (Online ordering system)</b> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4501-6">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4501-6</a>
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <a href="https://support.industry.siemens.com/cs/ww/en/ps/5SL4501-6">https://support.industry.siemens.com/cs/ww/en/ps/5SL4501-6</a>
<b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b> <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4501-6">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4501-6</a>
<b>CAX-Online-Generator</b> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<b>Tender specifications</b> <a href="http://www.siemens.com/specifications">http://www.siemens.com/specifications</a>



