

CIRCUIT BREAKER 230V 4.5KA, 1+N-POLE/1MW C6



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
General technical data	
Number of poles / Note	1P+N
Tripping characteristic class	C
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Supply voltage	
Type of voltage	AC
Current / at AC / rated value	6 A
Supply voltage	
• at AC / rated value	230 V
Operating voltage	
• minimum	24 V
• with single-phase operation / at AC / maximum	250 V
Protection class	
Protection class IP	IP20, with connected conductors

Switching capacity	
Switching capacity current	4.5 kA
<ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> </ul>	
Energy limiting class	3
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.4 W
Product details	
Product function / neutral conductor switching	Yes
Product feature / Touch protection	Yes
Product component	
<ul style="list-style-type: none"> <li>• combined terminal top</li> </ul>	No
<ul style="list-style-type: none"> <li>• combined terminal bottom</li> </ul>	No
Product feature	
<ul style="list-style-type: none"> <li>• Properties for main switches in accordance with EN 60204-1</li> </ul>	No
<ul style="list-style-type: none"> <li>• halogen-free</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• sealable</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• silicon-free</li> </ul>	Yes
Connections	
<ul style="list-style-type: none"> <li>• Connectable conductor cross-section <ul style="list-style-type: none"> <li>— solid</li> </ul> </li> </ul>	0.75 ... 16 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>— stranded</li> </ul>	0.75 ... 16 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• Connectable conductor cross-section / finely stranded / with core end processing</li> </ul>	0.75 ... 10 mm <sup>2</sup>
Tightening torque [lbf·in] / with screw-type terminals	17.7 ... 22.1 lbf·in
Tightening torque / with screw-type terminals	2 ... 2.5 N·m
Position / of power supply cord	Any
Mechanical Design	
Height	90 mm
Width	18 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	1
Mounting type	standard rail
Mounting position	any
Net weight	113.2 g
Environmental conditions	
Vibration resistance / acc. to IEC 60068-2-6	Yes
Ambient temperature	-25 ... +45 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +75 °C

## Certificates

### Reference code

- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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### General Product Approval

### Declaration of Conformity



CCC



IMQ



VDE



EG-Konf.

## Further information

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

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

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=5SL3006-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL3006-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SL3006-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SL3006-7)

### CAX-Online-Generator

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

### Tender specifications

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