



Miniature circuit breaker 400 V 6kA, 4-pole, C, 6A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	4
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage / of the operating voltage	AC
insulation voltage (U <sub>i</sub> )	
• with multi-phase operation / at AC / rated value	440 V
Supply voltage	
supply voltage / at AC / rated value	400 V
operating voltage	
• with multi-phase operation / at AC / maximum	440 V
• at DC / rated value / maximum	72 V
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
energy limitation class	3
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.7 W
Current	
operational current	
• at 30 °C / rated value	6 A
• at 40 °C / rated value	5.64 A
• at 45 °C / rated value	5.52 A
• at 55 °C / rated value	5.04 A
• at AC / rated value	6 A
suitability for operation	Residential buildings/infrastructure
Product details	

product component / neutral conductor switching	No	
product feature / touch protection	Yes	
product feature		
• halogen-free	Yes	
• sealable	Yes	
• silicon-free	Yes	
product extension / installable / supplementary devices	Yes	
<b>Connections</b>		
connectable conductor cross-section / solid		
• minimum	0.75 mm <sup>2</sup>	
• maximum	25 mm <sup>2</sup>	
connectable conductor cross-section / stranded		
• minimum	0.75 mm <sup>2</sup>	
• maximum	25 mm <sup>2</sup>	
connectable conductor cross-section / finely stranded / with core end processing		
• minimum	0.75 mm <sup>2</sup>	
• maximum	25 mm <sup>2</sup>	
tightening torque / with screw-type terminals		
• minimum	2.5 N·m	
• maximum	3 N·m	
<b>Mechanical Design</b>		
height	90 mm	
width	72 mm	
depth	76 mm	
installation depth	70 mm	
number of modular width units	4	
mounting position	any	
net weight	475 g	
<b>Environmental conditions</b>		
ambient temperature / during operation		
• minimum	-25 °C	
• maximum	45 °C	
ambient temperature / during storage		
• minimum	-40 °C	
• maximum	75 °C	
<b>Certificates</b>		
reference code		
• acc. to DIN EN 61346-2	F	
• acc. to IEC 81346-2	F	
<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>other</b>



[ISE](#)



[Miscellaneous](#)

#### 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?mlfb=5SL6406-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6406-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SL6406-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6406-7)

**CAX-Online-Generator**

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

