



CIRCUIT BREAKER 230V 6KA, 1+N-POLE/1MW C16

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	Miniature circuit breaker compact
General technical data	
design of pole	1P+N
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 (Ui) / at AC / rated value	250 V
Supply voltage	
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	
• according to EN 60898 / 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	2.1 W
Current	
operational current	
• at 30 °C / rated value	16 A
• at 40 °C / rated value	15.04 A
• at 45 °C / rated value	14.53 A
• at 50 °C / rated value	14 A
• at 55 °C / rated value	13.46 A
• at 60 °C / rated value	12.89 A
• at AC / rated value	16 A
Suitability	
suitability for operation	Residential buildings/infrastructure

Product details	
product component / neutral conductor switching	Yes
product feature / touch protection	Yes
product component	
• combined terminal top	No
• combined terminal bottom	No
product feature	
• properties for main switches in accordance with EN 60204-1	No
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm <sup>2</sup>
• maximum	16 mm <sup>2</sup>
connectable conductor cross-section / stranded	
• minimum	0.75 mm <sup>2</sup>
• maximum	16 mm <sup>2</sup>
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm <sup>2</sup>
• maximum	10 mm <sup>2</sup>
tightening torque [lbf-in] / with screw-type terminals	
• minimum	17.7 lbf-in
• maximum	22.1 lbf-in
tightening torque / with screw-type terminals	
• minimum	2 N·m
• maximum	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 modular width units	1
fastening method	standard rail
mounting position	any
net weight	113.2 g
Environmental conditions	
vibration resistance / according to IEC 60068-2-6	Yes
ambient temperature / during operation	
• minimum	-25 °C
• maximum	60 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C
number of test cycles / for environmental testing / according to IEC 60068-2-30	6
Certificates	
reference code	
• according to EN 61346-2	F
• according to IEC 81346-2	F
<b>General Product Approval</b>	<b>Declaration of Conformity</b>

[Confirmation](#)



other

[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?mfb=5SL6016-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6016-7>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=5SL6016-7](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SL6016-7)

CAX-Online-Generator

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

Tender specifications

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





