



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

Model	
product brand name	SETRON
product designation	Miniature circuit breaker
design of the product	Miniature circuit breaker compact
General technical data	
number of poles / note	1P+N
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Supply voltage	
type of voltage	AC
supply voltage	
• at AC / rated value	230 V
operating voltage	
• minimum	24 V
• with single-phase operation / at AC / maximum	250 V
supply voltage frequency / rated value	50/60 Hz
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
• acc. 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
Product details	

product function / 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		
<b>Connections</b>			
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		
<b>Mechanical Design</b>			
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		
<b>Environmental conditions</b>			
influence of the surrounding temperature	45°C, max. 95% humidity		
vibration resistance / acc. to IEC 60068-2-6	Yes		
ambient temperature / during operation			
• minimum	-25 °C		
• maximum	45 °C		
ambient temperature / during storage			
• minimum	-40 °C		
• maximum	75 °C		
number of test cycles / for environmental testing / acc. to IEC 60068-2-30	6		
<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>



[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)

Tender specifications

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

