



CIRCUIT BREAKER 230V 4.5KA, 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 (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (U _i) at AC rated value	250 V
Supply voltage	
supply voltage	
• at AC rated value	230 V
value range of the supply voltage frequency	50/60 Hz
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	4.5 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	
<ul style="list-style-type: none"> combined terminal top combined terminal bottom neutral conductor switching 	No No Yes
product feature	
<ul style="list-style-type: none"> properties for main switches in accordance with EN 60204-1 halogen-free sealable silicon-free 	No Yes Yes Yes
product extension installable supplementary devices	Yes
Connections	
connectable conductor cross-section solid	
<ul style="list-style-type: none"> minimum maximum 	0.75 mm ² 16 mm ²
connectable conductor cross-section stranded	
<ul style="list-style-type: none"> minimum maximum 	0.75 mm ² 16 mm ²
connectable conductor cross-section finely stranded with core end processing	
<ul style="list-style-type: none"> minimum maximum 	0.75 mm ² 10 mm ²
tightening torque [lbf-in] with screw-type terminals	
<ul style="list-style-type: none"> minimum maximum 	17.7 lbf-in 22.1 lbf-in
tightening torque with screw-type terminals	
<ul style="list-style-type: none"> minimum maximum 	2 N·m 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	DIN rail
mounting position	any
net weight	113.2 g
Environmental conditions	
standard	IEC/EN60898-1, GB/T10963.1
vibration resistance according to IEC 60068-2-6	Yes
ambient temperature during operation	
<ul style="list-style-type: none"> minimum maximum 	-25 °C 60 °C
ambient temperature during operation	-25...45°C: max. 85%rF, 4560°C: max. 43%rF
ambient temperature during storage	
<ul style="list-style-type: none"> minimum maximum 	-40 °C 75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	6
Certificates	
reference code	
<ul style="list-style-type: none"> according to EN 61346-2 according to IEC 81346-2 	F F
General Product Approval	
Declaration of Conformity	

[Confirmation](#)



[Miscellaneous](#)[Environmental Con-
firmations](#)**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=5SL3016-7>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/5SL3016-7>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL3016-7**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**<http://www.siemens.com/specifications>



