

CIRCUIT BREAKER 230V 6KA, 1+N-POLE/1MW C8



Model	
product brand name	SENTRON
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
operational current / at AC / rated value	8 A
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	1.3 W
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
Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	16 mm ²
connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	16 mm ²
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm ²
• maximum	10 mm ²
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

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

Certificates

reference code	
• acc. to DIN EN 61346-2	F
• acc. to IEC 81346-2	F

General Product Approval	Declaration of Conformity	other
--------------------------	---------------------------	-------



CCC



IMQ



VDE



EG-Konf.

[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=5SL6008-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6008-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6008-7

CAX-Online-Generator

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



