

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 3A



Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	5SL miniature circuit breakers
General technical data	
number of poles	1
number of poles / note	1P
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
circuit-breaker / Design	5SL6
overvoltage category	3
degree of pollution	2
Voltage	
insulation voltage	
<ul style="list-style-type: none"> with single-phase operation / at AC / rated value 	250 V
<ul style="list-style-type: none"> with multi-phase operation / at AC / rated value 	440 V
Supply voltage	

type of voltage	AC
operating current / at AC / rated value	3 A
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
supply voltage frequency	
• rated value	50 Hz

Protection class

protection class IP	IP20, with connected conductors
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Switching capacity

switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
energy limiting class	3

Dissipation

power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.2 W
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Current

Tripping residual / rated value / derated current / at 40 Cel	2.82 A
suitability for operation	Residential buildings/infrastructure

Product details

product function / neutral conductor switching	No
product feature / touch protection	Yes
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension / can be installed / supplementary devices	Yes

Connections

connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	25 mm ²
connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	25 mm ²
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm ²

<ul style="list-style-type: none"> • maximum 	25 mm ²
tightening torque / with screw-type terminals	
<ul style="list-style-type: none"> • minimum 	2.5 N·m
<ul style="list-style-type: none"> • maximum 	3 N·m

Mechanical Design

height	90 mm
width	18 mm
depth	76 mm
installation depth	70 mm
number of width units	1
mounting position	any
net weight	115 g

Environmental conditions

influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
ambient temperature	
<ul style="list-style-type: none"> • minimum 	-25 °C
<ul style="list-style-type: none"> • maximum 	45 °C
ambient temperature / during storage	
<ul style="list-style-type: none"> • minimum 	-40 °C
<ul style="list-style-type: none"> • maximum 	75 °C

Certificates

reference code	
<ul style="list-style-type: none"> • acc. to DIN EN 61346-2 	F
<ul style="list-style-type: none"> • acc. to DIN EN 81346-2 	F

General Product Approval

Declaration of Conformity



[TSE](#)



EG-Konf.

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=5SL6103-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6103-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6103-7

CAX-Online-Generator

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

Tender specifications

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



