

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 50 A Circuit breaker 230/400 V 6kA, 1-pole, C, 50 A



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
circuit-breaker / Design	5SL6CC
Overtoltage category	3
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
Current / at AC / rated value	50 A

Supply voltage / at AC / rated value	400 V
Operating voltage	
<ul style="list-style-type: none"> • with multi-phase operation / at AC / maximum • at DC / rated value / maximum 	440 V 60 V
Supply voltage frequency	
<ul style="list-style-type: none"> • rated value 	50 Hz

Protection class	
Protection class IP	IP20, with connected conductors

Switching capacity	
Switching capacity current	
<ul style="list-style-type: none"> • acc. to EN 60898 / 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	3.6 W

Current	
Tripping residual / rated value / derated current / at 40 Cel	46.1 A
Suitability for operation	Residential buildings/infrastructure

Product details	
Product function / neutral conductor switching	No
Product feature / Touch protection	Yes
Product feature	
<ul style="list-style-type: none"> • halogen-free • sealable • silicon-free 	Yes Yes Yes

Connections	
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 25 mm ²
Connectable conductor cross-section / finely stranded / with core end processing	
<ul style="list-style-type: none"> • minimum • maximum 	0.75 mm ² 25 mm ²

Mechanical Design	
Height	90 mm
Width	18 mm
Depth	76 mm
Installation depth	70 mm
Number of width units	1

Mounting position	any
Environmental conditions	
Influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
Vibration resistance / acc. to IEC 60068-2-6	50 m/s ² at 25 to 150 Hz
Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C

Certificates

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

General Product Approval

Declaration of Conformity



CCC



RCM



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?mfb=5SL6150-7CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6150-7CC>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SL6150-7CC

CAX-Online-Generator

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

Tender specifications

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



