

CIRCUIT BREAKER 400V 10KA, 3POLE, C, 50A



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
Design of the product	5SL miniature circuit breakers
General technical data	
Number of poles	3
Number of poles / Note	3P
Tripping characteristic class	C
circuit-breaker / Design	5SL4
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	3
Voltage	
Type of voltage	AC
Insulation voltage • with multi-phase operation / at AC / rated value	440 V
Supply voltage	
Supply voltage / at AC / rated value	400 V
Supply voltage frequency / rated value	50 Hz

Protection class	
Protection class IP	IP20, with connected conductors
Energy limiting class	3
Switching capacity	
Switching capacity current	
• acc. to EN 60898 / rated value	10 kA
• acc. to IEC 60947-2 / rated value	10 kA
Dissipation	
Power loss [W]	
• for rated value of the current / at AC / in hot operating state / per pole	3.6 W
• maximum	10.8 W
Electricity	
rated current I _n / IEC, DIN/VDE / at 40 Cel	47.36 A
Current / at AC / rated value	50 A
Main circuit	
Operating voltage	
• minimum	24 V
• at DC / rated value / maximum	60 V
• with multi-phase operation / at AC / maximum	440 V
Suitability for operation	Residential buildings/infrastructure
Product details	
Product feature / Touch protection	Yes
Product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Product function	
Product function / neutral conductor switching	No
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
Connections	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	25 mm ²
Connectable conductor cross-section	

• solid — minimum — maximum • finely stranded / with core end processing — minimum — maximum	0.75 mm ² 25 mm ² 0.75 mm ² 25 mm ²
Tightening torque / with screw-type terminals	
• minimum • maximum	2.5 N·m 3 N·m

Mechanical Design	
Height	90 mm
Width	54 mm
Depth	76 mm
Mounting position	any
Installation depth	70 mm
Number of width units	3
Net weight	470 g

Environmental conditions	
Degree of pollution	2
Influence of the surrounding temperature	+55 °C, max. 95% humidity
Ambient temperature	
• minimum • maximum • during storage / minimum • during storage / maximum	-25 °C 55 °C -40 °C 75 °C

Certificates	
Equipment marking	
• acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2	F F

General Product Approval					Declaration of Conformity
 CEBEC	 CCC	 IMQ	 VDE	Miscellaneous	 EG-Konf.

Test Certificates
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=5SL4350-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4350-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4350-7

CAX-Online-Generator

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

Tender specifications

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



