



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

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
tripping characteristic class	C
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage / of the operating voltage	AC
insulation voltage (U _i)	
• with single-phase operation / at AC / rated value	250 V
• with multi-phase operation / at AC / rated value	440 V
Supply voltage	
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
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
• acc. to EN 60898 / rated value	6 kA
• acc. to IEC 60947-2 / 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	3.8 W
Current	
operational current	
• at 30 °C / rated value	50 A
• at 40 °C / rated value	46.97 A
• at 45 °C / rated value	45 A
• at 55 °C / rated value	42.01 A
• at AC / rated value	50 A
suitability for operation	Residential buildings/infrastructure

Product details		
product component / neutral conductor switching	No	
product feature / touch protection	Yes	
product feature		
• 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	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	
• maximum	25 mm ²	
tightening torque / with screw-type terminals		
• minimum	2.5 N·m	
• maximum	3 N·m	
Mechanical Design		
height	90 mm	
width	18 mm	
depth	76 mm	
installation depth	70 mm	
number of modular width units	1	
mounting position	any	
net weight	155 g	
Environmental conditions		
ambient temperature / during operation		
• 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 IEC 81346-2	F	
General Product Approval	Declaration of Conformity	other



[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=5SL6150-7>

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

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

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

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

CAX-Online-Generator

