SIEMENS

Data sheet

5SL6108-7



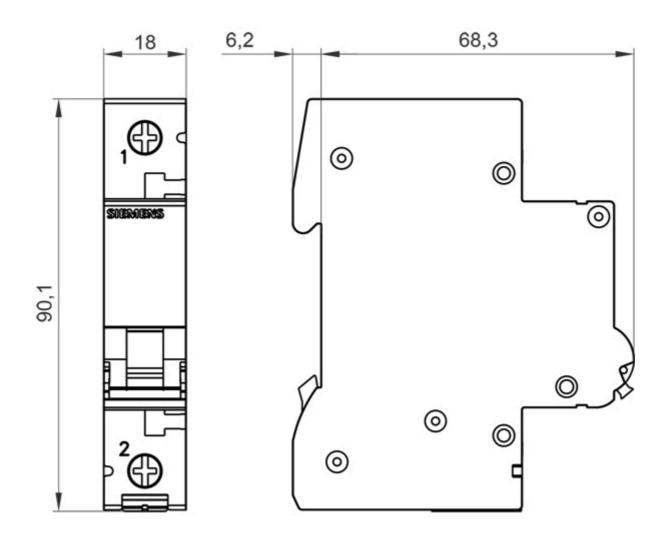
Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 8A

Model				
product brand name	SENTRON			
product designation	Miniature circuit breaker			
General technical data				
number of poles	1			
tripping characteristic class	С			
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				
 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	0.7 W			
Current				
operational current				
• at 30 °C / rated value	8 A			
• at 40 °C / rated value	7.61 A			
 at 45 °C / rated value 	7.36 A			
 at 55 °C / rated value 	6.99 A			
• at AC / rated value	8 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 / installable / supplementary devices	Yes		
Connections			
connectable conductor cross-section / solid			
• minimum	0.75 mm²		
• 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	•		
	90 mm		
height	18 mm		
	- 76 mm		
depth	- 70 mm		
installation depth	-		
number of modular width units	1		
mounting position	any		
net weight	120 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
CEBEC UDE TSE	EHC	CE EG-Konf.	<u>Miscellaneous</u>

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=5SL6108-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6108-7 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6108-7 CAx-Online-Generator



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