SIEMENS

Data sheet 5SL6110-6



Miniature circuit breaker 230/400 V 6kA, 1-pole, B, 10 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	В
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui)	
 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
value range of the supply voltage frequency	50/60 Hz
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	
 according to EN 60898 rated value 	6 kA
 according 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	1.6 W
suitability for operation	Residential buildings/infrastructure
Product details	
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension installable supplementary devices	Yes
Connections	
connectable conductor cross-section solid	

minimum maximum maxim			
connectable conductor cross-section stranded • minimum • maximum 25 mm² connectable conductor cross-section finely stranded with core end processing • minimum • maximum 25 mm² tightening torque with screw-type terminals • minimum • maximum 2.5 N·m • maximum 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 net weight 120 g Environmental conditions ambient temperature during operation • minimum • maximum 45 °C ambient temperature during storage • minimum 40 °C	• minimum	0.75 mm ²	
 minimum maximum maximum 25 mm² connectable conductor cross-section finely stranded with core end processing minimum maximum -25 °C maximum maximu	maximum	25 mm ²	
maximum connectable conductor cross-section finely stranded with core end processing minimum maximum connectable conductor cross-section finely stranded with core end processing minimum maximum conductor cross-section finely stranded with core end processing minimum conductor cross-section finely stranded with core end processing maximum conductor cross-section finely stranded with core end processing minimum conductor cross-section finely stranded with core end processing minimum conductor cross-section finely stranded with core end processing conductor cross-section fi	connectable conductor cross-section stranded		
connectable conductor cross-section finely stranded with core end processing • minimum • maximum 25 mm² tightening torque with screw-type terminals • minimum • maximum 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 net weight 120 g Environmental conditions ambient temperature during operation • minimum -25 °C • maximum 45 °C ambient temperature during storage • minimum -40 °C	• minimum	0.75 mm²	
end processing ightening torque with screw-type terminals ightening	maximum	25 mm²	
maximum tightening torque with screw-type terminals minimum maximum maximum 2.5 N·m naximum 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 net weight 120 g Environmental conditions ambient temperature during operation minimum min			
tightening torque with screw-type terminals • minimum • 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 net weight 120 g Environmental conditions ambient temperature during operation • minimum • minimum • minimum • 45 °C ambient temperature during storage • minimum -40 °C	• minimum	0.75 mm²	
 minimum maximum 3 N·m Mechanical Design height 90 mm width 18 mm depth 76 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	25 mm²	
 maximum Mechanical Design height 90 mm width 18 mm depth installation depth number of modular width units mounting position net weight 120 g Environmental conditions ambient temperature during operation minimum -25 °C maximum 45 °C ambient temperature during storage minimum -40 °C 	tightening torque with screw-type terminals		
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 120 g Environmental conditions ambient temperature during operation -25 °C • maximum -25 °C ambient temperature during storage -40 °C	• minimum	2.5 N·m	
height width 18 mm depth 76 mm installation depth 70 mm number of modular width units 1 mounting position net weight 120 g Environmental conditions ambient temperature during operation • minimum • maximum 45 °C ambient temperature during storage • minimum -40 °C	• maximum	3 N·m	
width depth 76 mm installation depth 70 mm number of modular width units 1 mounting position any net weight 120 g Environmental conditions ambient temperature during operation • minimum • maximum • maximum 45 °C ambient temperature during storage • minimum -40 °C	Mechanical Design		
depth 76 mm installation depth 70 mm 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	height	90 mm	
installation depth 70 mm 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	width	18 mm	
number of modular width units mounting position any net weight 120 g Environmental conditions ambient temperature during operation • minimum • maximum 45 °C ambient temperature during storage • minimum -40 °C	depth	76 mm	
mounting position any net weight 120 g Environmental conditions ambient temperature during operation • minimum • maximum • maximum 45 °C ambient temperature during storage • minimum -40 °C	installation depth	70 mm	
net weight Environmental conditions ambient temperature during operation • minimum • maximum • maximum 45 °C ambient temperature during storage • minimum -40 °C	number of modular width units	1	
Environmental conditions ambient temperature during operation • minimum • maximum • maximum 45 °C ambient temperature during storage • minimum -40 °C	mounting position	any	
ambient temperature during operation • minimum • maximum • maximum 45 °C ambient temperature during storage • minimum -40 °C	net weight	120 g	
 minimum -25 °C maximum 45 °C ambient temperature during storage minimum -40 °C 	Environmental conditions		
 ● maximum ambient temperature during storage ● minimum -40 °C 	ambient temperature during operation		
ambient temperature during storage ● minimum -40 °C	• minimum	-25 °C	
• minimum -40 °C	maximum	45 °C	
	ambient temperature during storage		
• maximum 75 °C	• minimum	-40 °C	
	• maximum	75 °C	
General Product Approval Declaration of Conformity	General Product Approval		Declaration of Conformity

Declaration of Con-

Confirmation



TSE

FAC



other formity

Environment



Miscellaneous

Confirmation

Environmental Confirmations

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6110-6

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6110-6

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

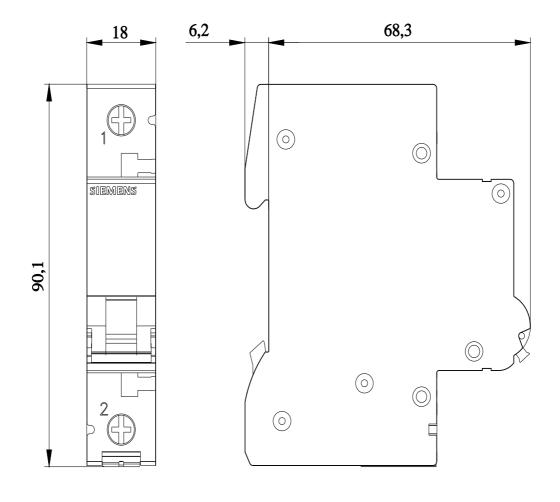
on.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6110-6

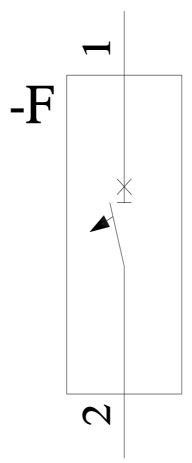
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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