SIEMENS

Data sheet

5SL6250-7



Miniature circuit breaker 400 V 6kA, 2-pole, C, 50 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
design of pole	2P
tripping characteristic class	С
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 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 consolity current	
switching capacity current	
according to EN 60898 rated value	6 kA
	6 kA 6 kA
according to EN 60898 rated value	
 according to EN 60898 rated value according to IEC 60947-2 rated value 	6 kA
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class	6 kA
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot	6 kA 3
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole	6 kA 3 3.8 W
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation	6 kA 3 3.8 W
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details	6 kA 3 3.8 W
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product feature	6 kA 3 3.8 W Residential buildings/infrastructure
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product feature	6 kA 3 3.8 W Residential buildings/infrastructure
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product feature halogen-free sealable 	6 kA 3 3.8 W Residential buildings/infrastructure Yes
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product feature halogen-free sealable silicon-free 	6 kA 3 3.8 W Residential buildings/infrastructure Yes Yes Yes
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product feature halogen-free sealable silicon-free product extension installable supplementary devices 	6 kA 3 3.8 W Residential buildings/infrastructure Yes Yes Yes

• maximum	25 mm²
connectable conductor cross-section stranded	
• minimum	0.75 mm ²
• maximum	25 mm²
connectable conductor cross-section finely stranded with co end processing	ore
• 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	36 mm
depth	76 mm
installation depth	70 mm
number of modular width units	2
mounting position	any
net weight	310 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	45 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C
General Product Approval	Declaration of Conformity
CEBEC CEBEC	
other Environ	nment
	nmental Con- rmations

Further information

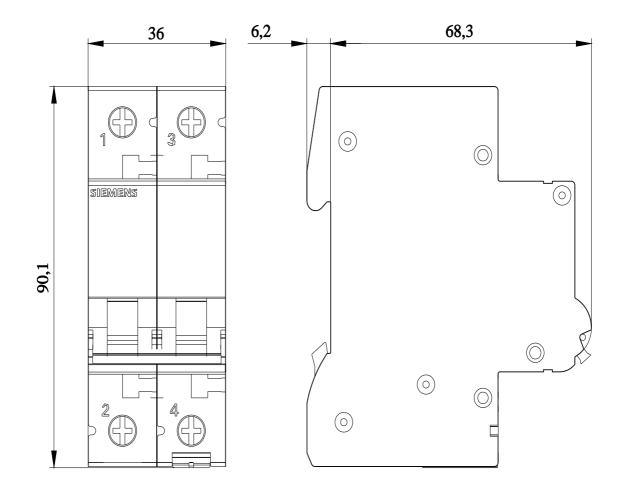
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification 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,...) http://www.siemens.com/lowvoltage/catalogs Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6250-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6250-7 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6250-7

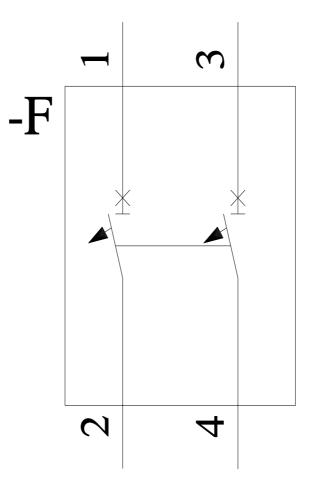
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





8/12/2022 🖸