SIEMENS

Data sheet 5SL6302-7



Miniature circuit breaker 400 V 6kA, 3-pole, C, 2A

Model product brand name SENTRON product designation Miniature circuit breaker General technical data 3 number of poles 3 design of pole 3P tripping characteristic class C mechanical service life (operating cycles) typical 10 000 overvoltage category III degree of pollution 2 Voltage AC insulation voltage (I II)	
product designation General technical data number of poles design of pole tripping characteristic class mechanical service life (operating cycles) typical overvoltage category lll degree of pollution Voltage type of voltage of the operating voltage Miniature circuit breaker Miniature circuit breaker Miniature circuit breaker Miniature circuit breaker AC AC	
Reneral technical data number of poles design of pole tripping characteristic class c mechanical service life (operating cycles) typical overvoltage category degree of pollution Voltage type of voltage of the operating voltage AC	
number of poles design of pole tripping characteristic class C mechanical service life (operating cycles) typical overvoltage category degree of pollution Voltage type of voltage of the operating voltage AC	
design of pole tripping characteristic class C mechanical service life (operating cycles) typical overvoltage category lill degree of pollution 2 Voltage type of voltage of the operating voltage AC	
tripping characteristic class mechanical service life (operating cycles) typical overvoltage category lll degree of pollution Voltage type of voltage of the operating voltage AC	
mechanical service life (operating cycles) typical overvoltage category degree of pollution 2 Voltage type of voltage of the operating voltage AC	
overvoltage category III degree of pollution 2 Voltage type of voltage of the operating voltage AC	
degree of pollution 2 Voltage type of voltage of the operating voltage AC	
Voltage type of voltage of the operating voltage AC	
type of voltage of the operating voltage AC	
inculation voltage (Ui)	
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 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 1.2 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 0.75 mm²	

• maximum	25 mm²	
connectable conductor cross-section stranded		
• minimum	0.75 mm ²	
• maximum	25 mm²	
connectable conductor cross-section finely stranded with core end processing		
• minimum	0.75 mm ²	
maximum	25 mm²	
tightening torque with screw-type terminals		
• minimum	2.5 N·m	
• maximum	3 N·m	
Mechanical Design		
height	90 mm	
width	54 mm	
depth	76 mm	
installation depth	70 mm	
number of modular width units	3	
mounting position	any	
net weight	360 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
maximum	45 °C	
ambient temperature during storage		
• minimum	-40 °C	
• maximum	75 °C	
Approvals Certificates		
General Product Approval		Declaration of Con-

Confirmation



TSE





formity

Declaration of Con-Environment other formity



Confirmation

Miscellaneous

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

.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=5SL6302-7

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

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6302-7

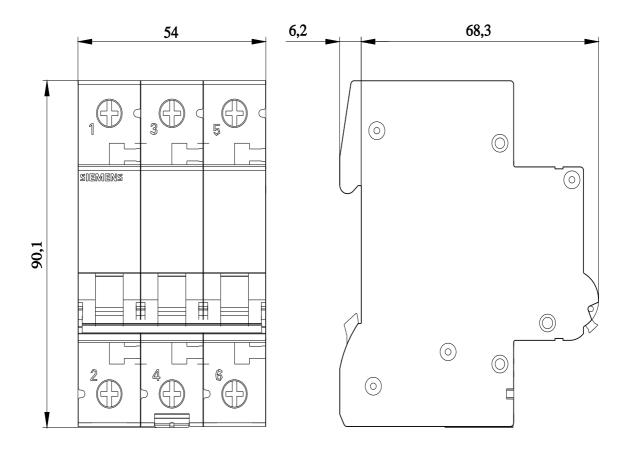
CAx-Online-Generator

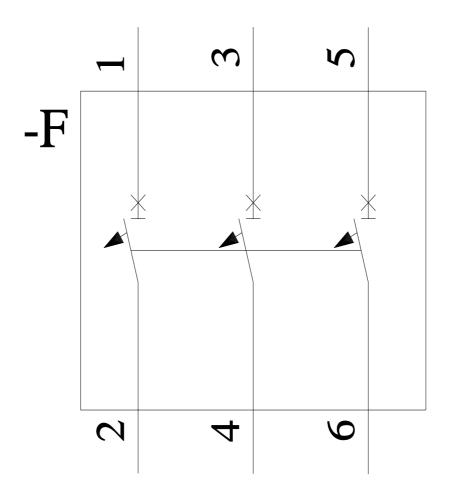
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







8/29/2023



