SIEMENS

Data sheet 5SL4310-7



Miniature circuit breaker 400 V 10kA, 3-pole, C, 10 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	3
design of pole	3P
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 capacity current	
 according to EN 60898 rated value 	10 kA
 according to IEC 60947-2 rated value 	10 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	0.9 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	

maximum	25 mm²	
connectable conductor cross-section stranded		
• minimum	0.75 mm²	
maximum	25 mm²	
connectable conductor cross-section finely stranded with core end processing		
• minimum	0.75 mm²	
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	440 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
maximum	55 °C	
ambient temperature during storage		
• minimum	-40 °C	
• maximum	75 °C	
Approvals Certificates		

General Product Approval



Confirmation







Miscellaneous

Declaration of Conformity

Test Certificates

other

Environmental Con-

Environment





Miscellaneous

Miscellaneous

Confirmation

firmations

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=5SL4310-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL4310-

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

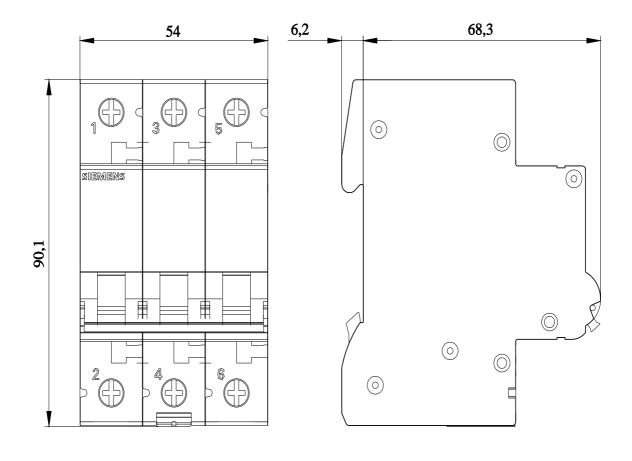
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4310-7

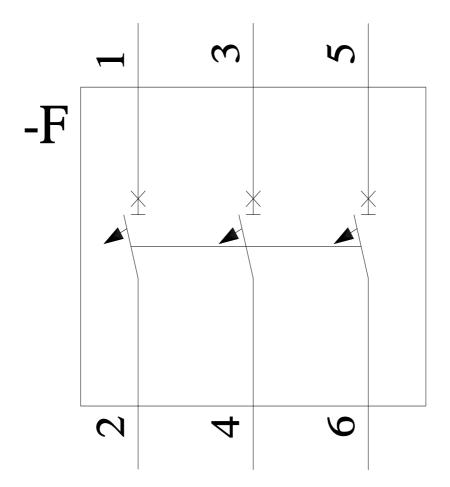
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





last modified: 8/12/2022 🖸

5SL43	3107
Page	5/5