SIEMENS

Data sheet

5SL6301-7



Miniature circuit breaker 400 V 6kA, 3-pole, C, 1 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	C			
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 (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			
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			
Current				
operational current				
• at 30 °C / rated value	1 A			
• at 40 °C / rated value	0.95 A			
• at 45 °C / rated value	0.92 A			
• at 55 °C / rated value	0.87 A			
• at AC / rated value	1 A			
suitability for operation	Residential buildings/infrastructure			
Product details				

Further information				
EG-Konf.				
CE				
Miscellaneous				
Conformity				
Declaration of other				
CEBEC	VDE			
			EAC	UK CA
Confirmation	\triangle	<u>TSE</u>	гпг	UK
				Conformity
General Product Approval				Declaration of
 according to EC 81346-2 	F			
reference code • according to EN 61346-2	F			
Certificates				
• maximum	75 °C			
• minimum	-40 °C			
ambient temperature / during storage				
• maximum	45 °C			
• minimum	-25 °C			
ambient temperature / during operation				
Environmental conditions	-100 g			
net weight	430 g			
number of modular width units mounting position	3 any			
installation depth	70 mm			
depth	76 mm			
width	54 mm			
height	90 mm			
Mechanical Design				
• maximum	3 N∙m			
• minimum	2.5 N·m			
tightening torque / with screw-type terminals				
maximum	25 mm ²			
 with core end processing minimum 	0.75 mm ²			
connectable conductor cross-section / finely stranded	/			
• maximum	25 mm²			
• minimum	0.75 mm²			
connectable conductor cross-section / stranded				
● minimum ● maximum	25 mm ²			
connectable conductor cross-section / solid	0.75 mm ²			
Connections	_	_	_	_
product extension / installable / supplementary device	s Yes			
• silicon-free	Yes			
• sealable	Yes			

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6301-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/5SL6301-7

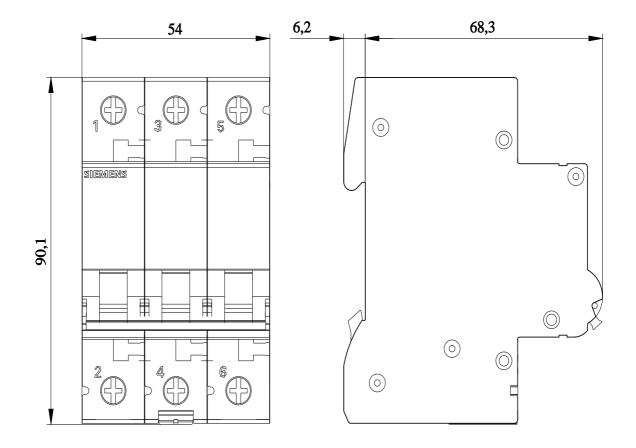
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6301-7

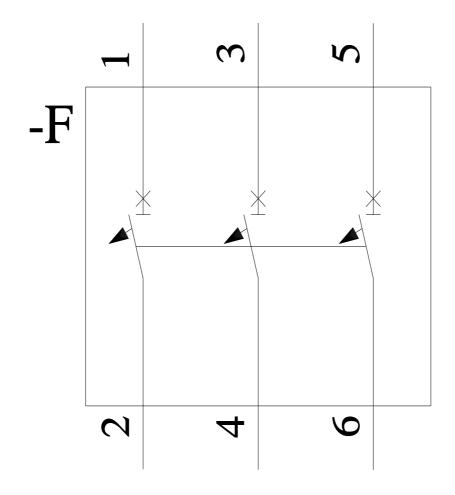
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





C