SIEMENS

Data sheet 5SL6302-7



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

Model	
	SENTRON
product brand name product designation	Miniature circuit breaker
General technical data	Milliature circuit preaker
	3
number of poles	3P
design of pole	C SP
tripping characteristic class	
mechanical service life (operating cycles)	10 000
• typical	III
overvoltage category	2
degree of pollution	2
Voltage	40
type of voltage of the operating voltage	AC
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.
insulation voltage (Ui)	
with multi-phase operation at AC rated value	440 V
operational current	
• at 30 °C rated value	2 A
• at 40 °C rated value	1.9 A
• at 55 °C rated value	1.75 A
at AC rated value	2 A
Supply voltage	
supply voltage at AC	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 	62.5 V
•	The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V
Protection class	
protection class IP	IP20, with connected conductors
Breaking 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 touch protection	Yes
product component neutral conductor switching	No
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 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
mounting position	any
net weight	395 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









Miscellaneous



other Environment

<u>Confirmation</u> <u>Miscellaneous</u> <u>Environmental Con</u>

firmations

Further information

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=5SL6302-7

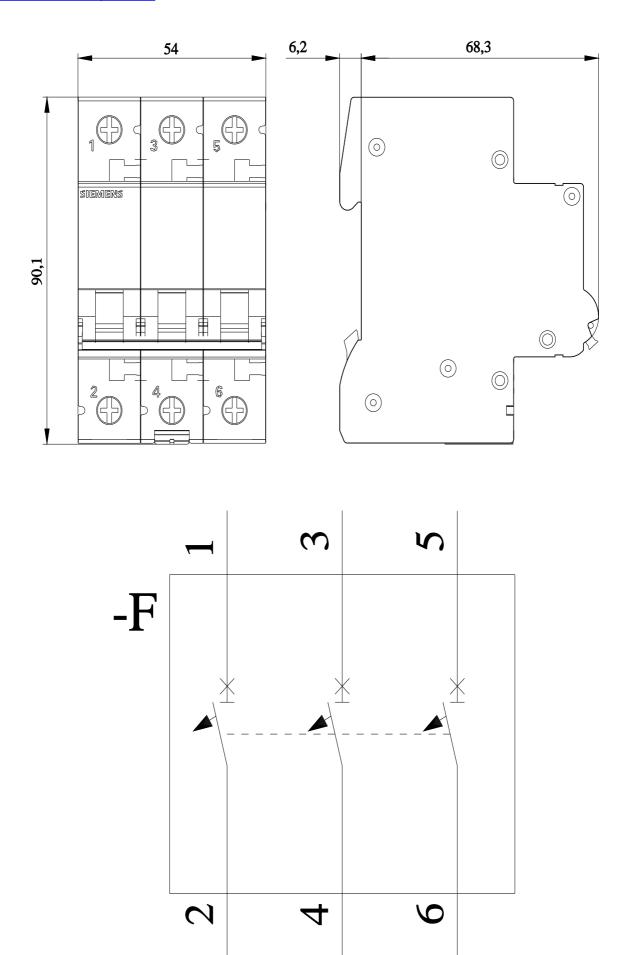
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/5SL6302-7

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



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