SIEMENS

Data sheet 5SL6102-7CC



Figure similar

Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 2A Circuit breaker 230/400 V 6kA, 1-pole, C, 2A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	C
overvoltage category	3
degree of pollution	2
Voltage	
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 single-phase operation at AC rated value	250 V
• with multi-phase operation at AC rated value	440 V
• operational current	
— at 30 °C rated value	2 A
— at 40 °C rated value	1.89 A
— at 50 °C rated value	1.76 A
— at 55 °C rated value	1.7 A
• operational current 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
energy limitation class	3
Dissipation	

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power loss [W] for rated value of the current at AC in hot operating state per pole	1.3 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
product feature sealable	Yes
product feature 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	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
Net Weight	0.165 kg
Environmental conditions	
vibration resistance according to IEC 60068-2-6	50 m/s² at 25 to 150 Hz
ambient temperature during operation	
• minimum	-25 °C
• maximum	45 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C

Approvals Certificates

Environment			General Product Approval		
Environmental Confirmations	Environmental Confirmations	EPD	CCC	EAC	Confirmation

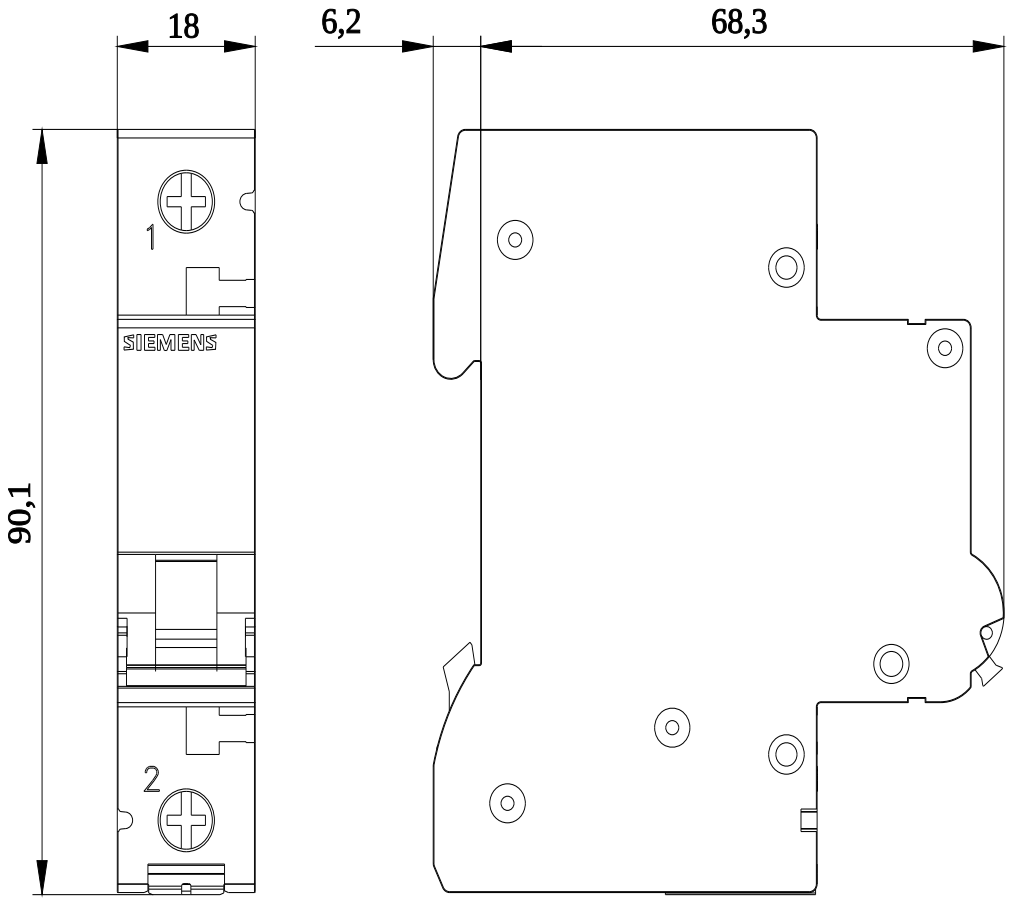
General Product Approval		EMV	other	
CE EG-Konf.	UKCA	RCM	产品合格 QC PASS	Confirmation

Further information

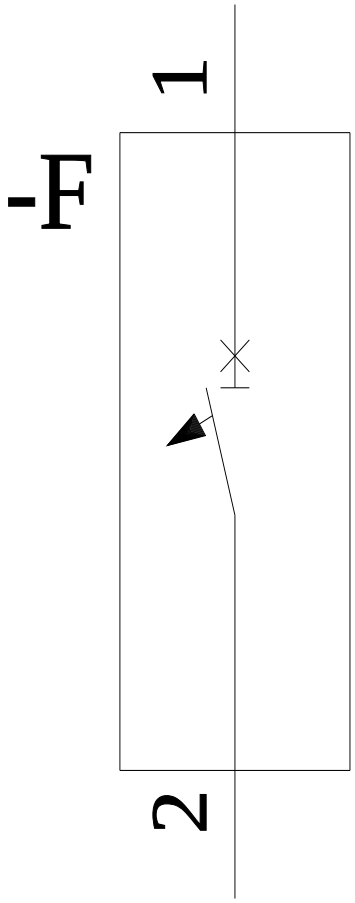
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012

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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SL6102-7CC
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