



Figure similar

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

Model	
product brand name	SETRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
mechanical service life (operating cycles) at AC typical	10 000
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 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
value range of the supply voltage at AC	230/400 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
• according to EN 60898 rated value	6 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.25 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 mm ²
• maximum	25 mm ²
connectable conductor cross-section stranded	
• minimum	0.75 mm ²
• maximum	25 mm ²
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm ²
• maximum	25 mm ²
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
mounting position	any
net weight	120 g

Environmental conditions

ambient temperature during operation	
• minimum	-40 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C

Environmental footprint

Environmental Product Declaration(EPD)	Yes
global warming potential [CO2 eq] total	28.2 kg
global warming potential [CO2 eq] during manufacturing	0.718 kg
global warming potential [CO2 eq] during operation	27.5 kg
global warming potential [CO2 eq] after end of life	-0.057 kg

Approvals Certificates

General Product Approval



[Miscellaneous](#)

other	Environment
-------	-------------



[Confirmation](#)



[Environmental Con-
firmations](#)

[Environmental Con-
firmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

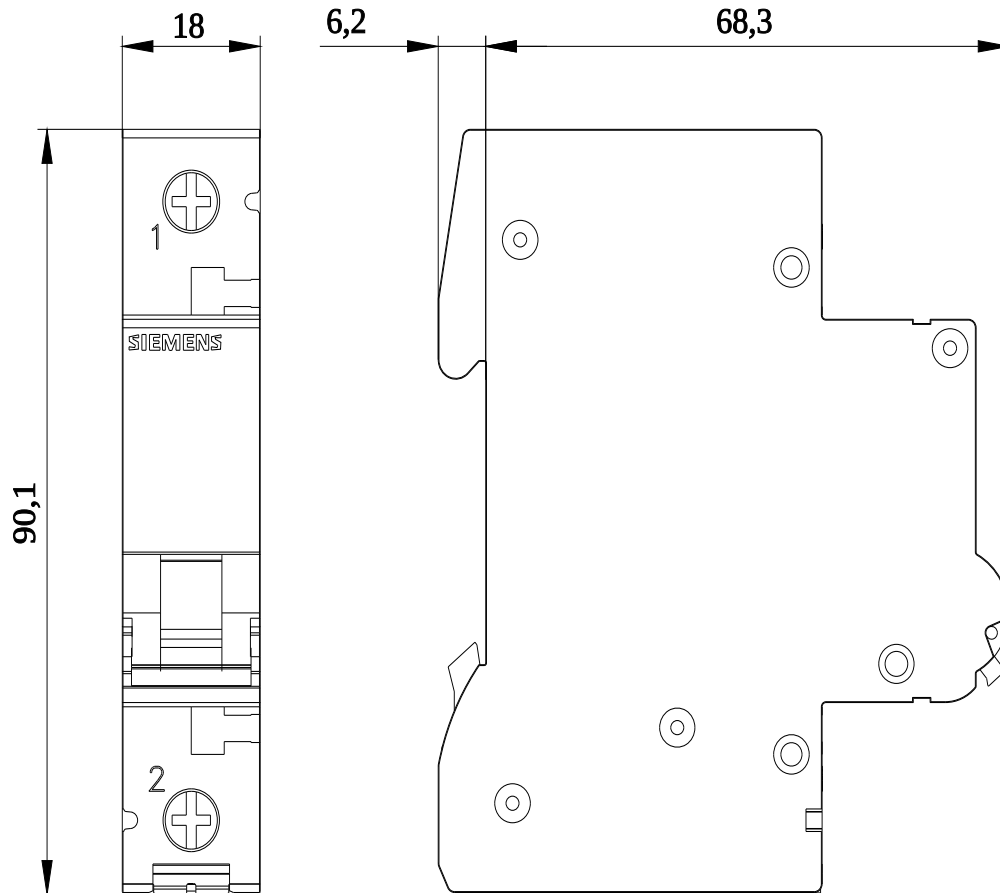
Information- and Downloadcenter (Catalogs, Brochures,...)

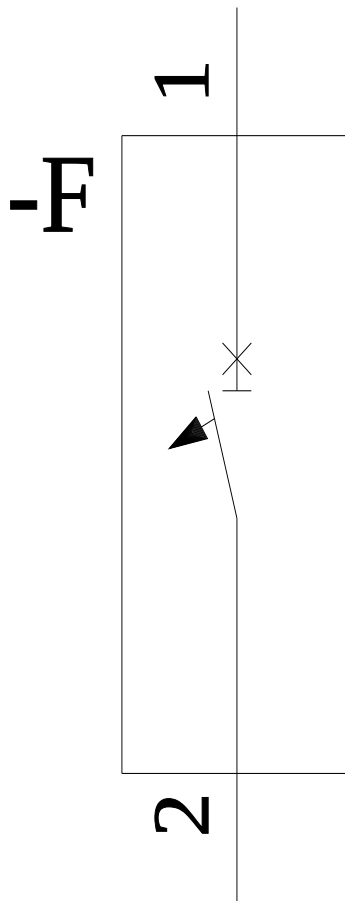
<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6102-7MB>

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





last modified:

7/23/2025 

