## **SIEMENS**

Data sheet 5SL6102-7



Miniature 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	
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)		
<ul> <li>with single-phase operation at AC rated value</li> </ul>	250 V	
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	440 V	
Supply voltage		
supply voltage at AC rated value	400 V	
value range of the supply voltage frequency	50/60 Hz	
operating voltage		
<ul> <li>with multi-phase operation at AC maximum</li> </ul>	440 V	
at DC rated value maximum	72 V	
Protection class		
protection class IP	IP20, with connected conductors	
Switching capacity		
switching capacity current		
<ul> <li>according to EN 60898 rated value</li> </ul>	6 kA	
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	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		
<ul> <li>at 30 °C rated value</li> </ul>	2 A	
<ul> <li>at 40 °C rated value</li> </ul>	1.9 A	
<ul> <li>at 45 °C rated value</li> </ul>	1.84 A	
<ul> <li>at 55 °C rated value</li> </ul>	1.75 A	
<ul> <li>at AC rated value</li> </ul>	2 A	
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		
• minimum	0.75 mm <sup>2</sup>	
<ul><li>maximum</li></ul>	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 mm <sup>2</sup>	
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	120 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
• maximum	45 °C	
ambient temperature during storage		
• minimum	-40 °C	
• maximum	75 °C	
Certificates		
reference code		
<ul> <li>according to EN 61346-2</li> </ul>	F	
<ul> <li>according to IEC 81346-2</li> </ul>	F	
General Product Approval		Declaration of Conformity



Confirmation



<u>TSE</u>





Declaration of Conformity

other



**Miscellaneous** 

Environmental Confirmations

## Further information

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=5SL6102-7

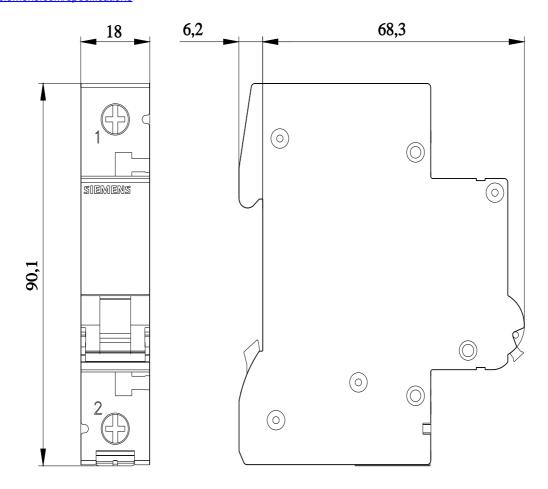
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

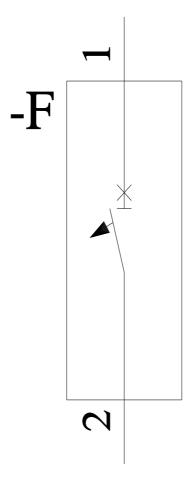
https://support.industry.siemens.com/cs/ww/en/ps/5SL6102-7

CAx-Online-Generator http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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