SIEMENS

Data sheet

5SL6120-7



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 20 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	5SL miniature circuit breakers
General technical data	
number of poles	1
number of poles / note	1P
tripping characteristic class	С
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
insulation voltage	
 with single-phase operation / at AC / rated value 	250 V
 with multi-phase operation / at AC / rated value 	440 V
Supply voltage	
type of voltage	AC
operational current / at AC / rated value	20 A
supply voltage / at AC / rated value	400 V
operating voltage	
 with multi-phase operation / at AC / maximum 	440 V
 at DC / rated value / maximum 	72 V
supply voltage frequency	
rated value	50 Hz
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
 acc. to EN 60898 / rated value 	6 kA
acc. 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	2.2 W
suitability for operation	Residential buildings/infrastructure
Product details	
product function / neutral conductor switching	No



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product feature / touch protection	Yes
product feature	N/
halogen-free	Yes
• sealable	Yes
silicon-free	Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	25 mm²
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 mm²
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
number of modular width units	1
net weight	any 115 g
-	115 g
Environmental conditions	
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
ambient temperature	05.90
• minimum	-25 °C
• maximum	45 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C
Certificates	
reference code	
• acc. to DIN EN 61346-2	F
• acc. to IEC 81346-2	F
General Product Approval	
CEBEC VDE VDE	
Declaration of Conformity Marine / Shipping	
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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=5SL6120-7

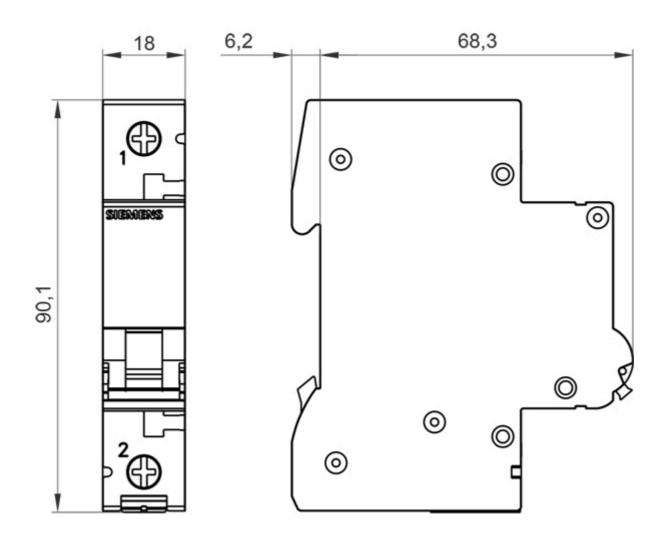
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/5SL6120-7

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6120-7

Tender specifications

http://www.siemens.com/specifications



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