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	
General technical data		
number of poles	1	
design of pole	1P	
tripping characteristic class	С	
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)		
 with single-phase operation at AC rated value 	250 V	
 with multi-phase operation at AC rated value 	440 V	
Supply voltage		
supply voltage at AC rated value	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 	72 V	
Protection class		
protection class IP	IP20, with connected conductors	
Switching 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	2.2 W	
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 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	115 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
• maximum	45 °C	
ambient temperature during storage		
• minimum	-40 °C	
• maximum	75 °C	
General Product Approval		Declaration of Conformity



Confirmation



<u>TSE</u>





Declaration of Conformity

Marine / Shipping other

Environment





Miscellaneous

Confirmation

Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=5SL6120-7

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

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

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

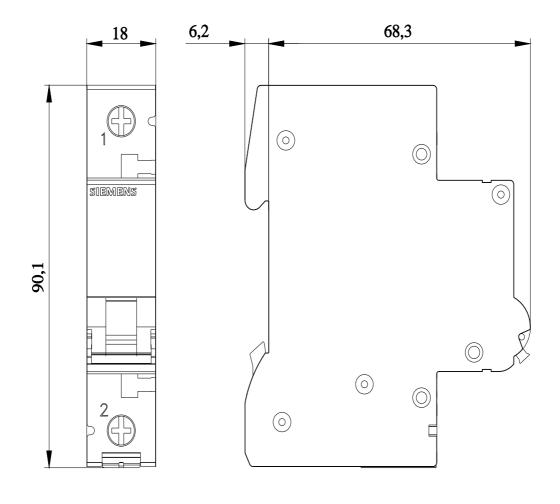
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6120-7

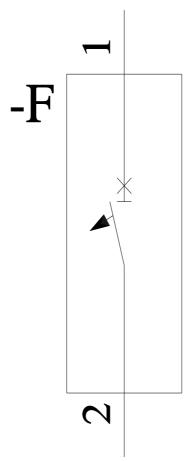
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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