SIEMENS

Data sheet 5SL6116-7



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 16A

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	1.8 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	20 11111	
• 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





Confirmation

Miscellaneous

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=5SL6116-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6116-7

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

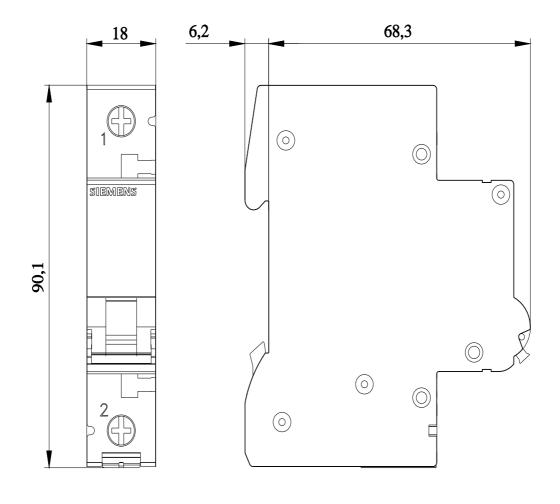
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6116-7

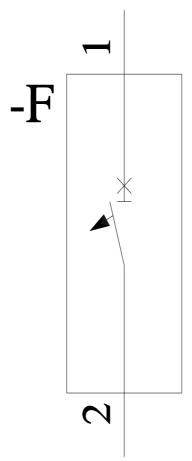
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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