SIEMENS

Data sheet 5SL1102-7MB



Miniature circuit breaker 230/400V 3kA, 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	С		
mechanical service life (operating cycles)			
• typical	10 000		
at AC typical	4 000		
overvoltage category	III		
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		
Protection class			
protection class IP	IP20, with connected conductors		
Breaking Capacity			
switching capacity current			
 according to EN 60898 rated value 	3 kA		
 according to IEC 60947-2 rated value 	3 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	No		
product component neutral conductor switching	No		
product feature			
• halogen-free	Yes		
• sealable	Yes		
• silicon-free	Yes		
product extension installable supplementary device	ces No		
Connections			
connectable conductor cross-section solid			
• minimum	0.75	mm²	
• maximum	25 n	nm²	
connectable conductor cross-section stranded	d		
• minimum	0.75	mm²	
• maximum	25 m	nm²	
connectable conductor cross-section finely st core end processing	randed with		
• minimum	0.75	mm²	
• maximum	25 n	nm²	
tightening torque with screw-type terminals			
• minimum	2.51	N·m	
• maximum	3 N·	m	
Mechanical Design			
height	90 m	nm	
width	18 m	nm	
depth	76 n	nm	
installation depth	70 n	nm	
number of modular width units	1		
mounting position	any		
net weight	120.	7 g	
Environmental conditions			
ambient temperature during operation			
• minimum		C	
• maximum	45 °	C	
ambient temperature during storage			
• minimum	-40 °	C	
maximum	75 °	C	
- 1100701110111			
Approvals Certificates			





Miscellaneous

Confirmation

Environmental Confirmations Environmental Confirmations

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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL1102-7MB}$

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL1102-7MB

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

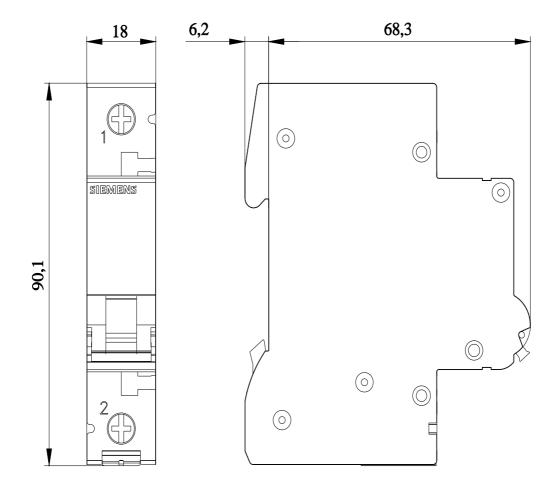
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL1102-7MB

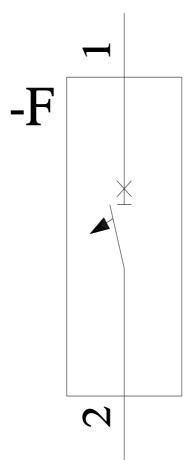
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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