SIEMENS

Data sheet

5SL6616-7



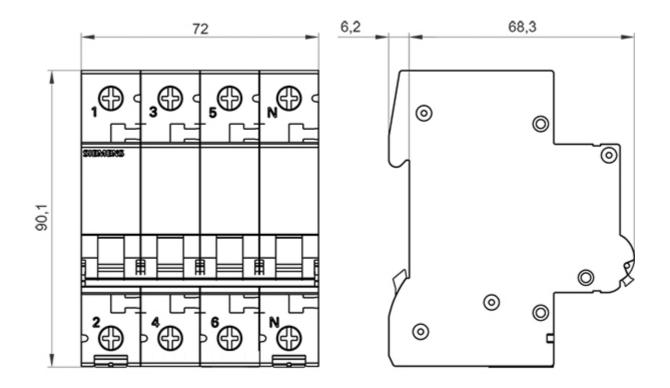
Miniature circuit breaker 400 V 6kA, 3+N-pole, C, 16A

Model		
product brand name	SENTRON	
product designation	Miniature circuit breaker	
General technical data		
number of poles	4	
tripping characteristic class	С	
mechanical service life (switching cycles) / typical	10 000	
overvoltage category		
degree of pollution	2	
Voltage		
type of voltage / of the operating voltage	AC	
insulation voltage		
 with multi-phase operation / at AC / rated value 	440 V	
Supply voltage		
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	
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	1.6 W	
Current		
operational current		
• at 30 °C / rated value	16 A	
• at 40 °C / rated value	15.23 A	
• at 45 °C / rated value	14.88 A	
 at 55 °C / rated value 	13.99 A	
• at AC / rated value	16 A	
suitability for operation	Residential buildings/infrastructure	
Product details		

product function / neutral conductor switching	Yes		
product feature / touch protection	Yes		
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 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 mm ²		
• maximum	25 mm²		
tightening torque / with screw-type terminals			
• minimum	2.5 N·m		
• maximum	3 N·m		
Mechanical Design			
height	90 mm		
width	72 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	4		
mounting position	any		
net weight	580 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			
• acc. to DIN EN 61346-2	F		
• acc. to IEC 81346-2	F		
General Product Approval	Declaration of Conformity other		
	Miscellaneous EG-Konf.		

Further	

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=5SL6616-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6616-7 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6616-7 CAx-Online-Generator http://www.siemens.com/cax



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