SIEMENS

Data sheet

5SL6316-7

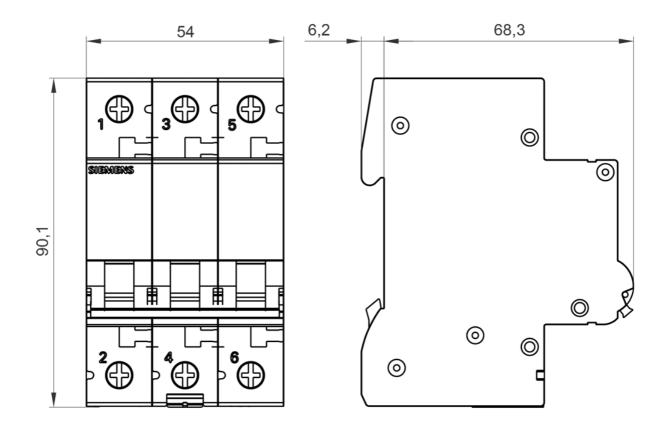


Miniature circuit breaker 400 V 6kA, 3-pole, C, 16A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	3
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 (Ui)	
 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	1.8 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	

1 1 1 1 1 1 1 1 1 1			
product component / neutral conductor switching	No		
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 mm ²		
connectable conductor cross-section / stranded			
• minimum	0.75 mm ²		
maximum	25 mm²		
connectable conductor cross-section / finely stranded / with core end processing			
• minimum	0.75 mm ²		
• 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	54 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	3		
mounting position	any		
net weight	345 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
	FAC	CE	<u>Miscellaneous</u>
CEBEC VDE	LIIL	EG-Konf.	

Information and Downloadconter (Catalons, Brachures,)	
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=5SL6	<u>316-7</u>
Service&Support (Manuals, Certificates, Characteristics, FAQs,)	
https://support.industry.siemens.com/cs/ww/en/ps/5SL6316-7	
Image database (product images, 2D dimension drawings, 3D mode	ls, device circuit diagrams,)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6316-	<u>Z</u>
CAx-Online-Generator	
http://www.siemens.com/cax	



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