SIEMENS

Data sheet

5SL6420-7

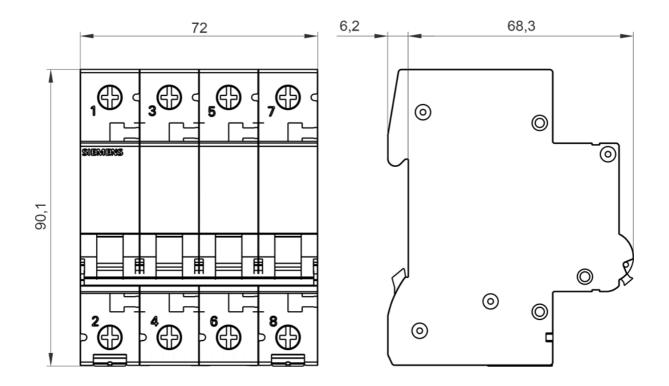


Miniature circuit breaker 400 V 6kA, 4-pole, C, 20 A

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	III
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	2.2 W
Current	
operational current	
 at 30 °C / rated value 	20 A
• at 40 °C / rated value	18.79 A
• at 45 °C / rated value	18.6 A
 at 55 °C / rated value 	16.8 A
• at AC / rated value	20 A
suitability for operation	Residential buildings/infrastructure
Product details	

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 mm²		
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 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			
number of modular width units	4		
mounting position	any		
net weight	460 g		
Environmental conditions	0		
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
	EAC	CE	Miscellaneous
CEBEC VDE	LIIL	EG-Konf.	

Information- and Down http://www.siemens.com	nloadcenter (Catalogs, Brochures,) n/lowvoltage/catalogs	
Industry Mall (Online on https://mall.industry.sier	ordering system) nens.com/mall/en/en/Catalog/product?mlfb=5SL6420-7	
	uals, Certificates, Characteristics, FAQs,) siemens.com/cs/ww/en/ps/5SL6420-7	
	uct images, 2D dimension drawings, 3D models, device circuit diagrams,) iemens.com/bilddb/cax_en.aspx?mlfb=5SL6420-7	
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