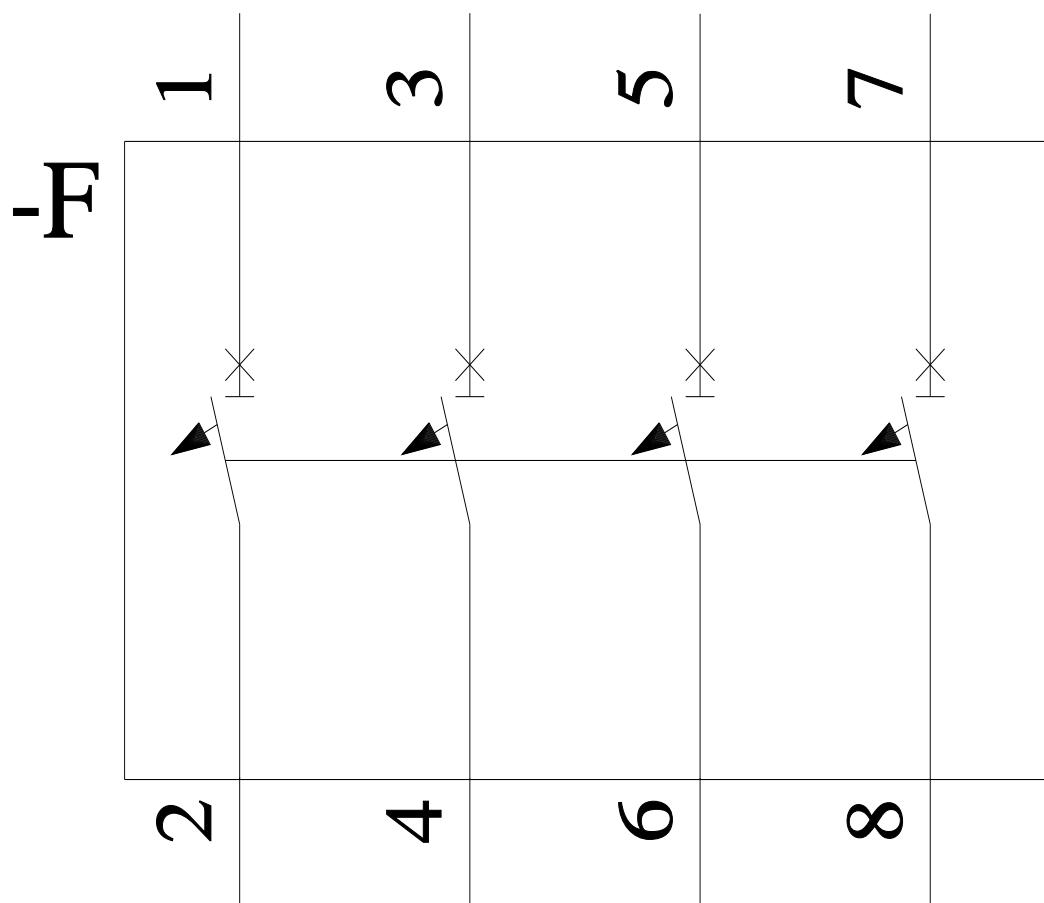
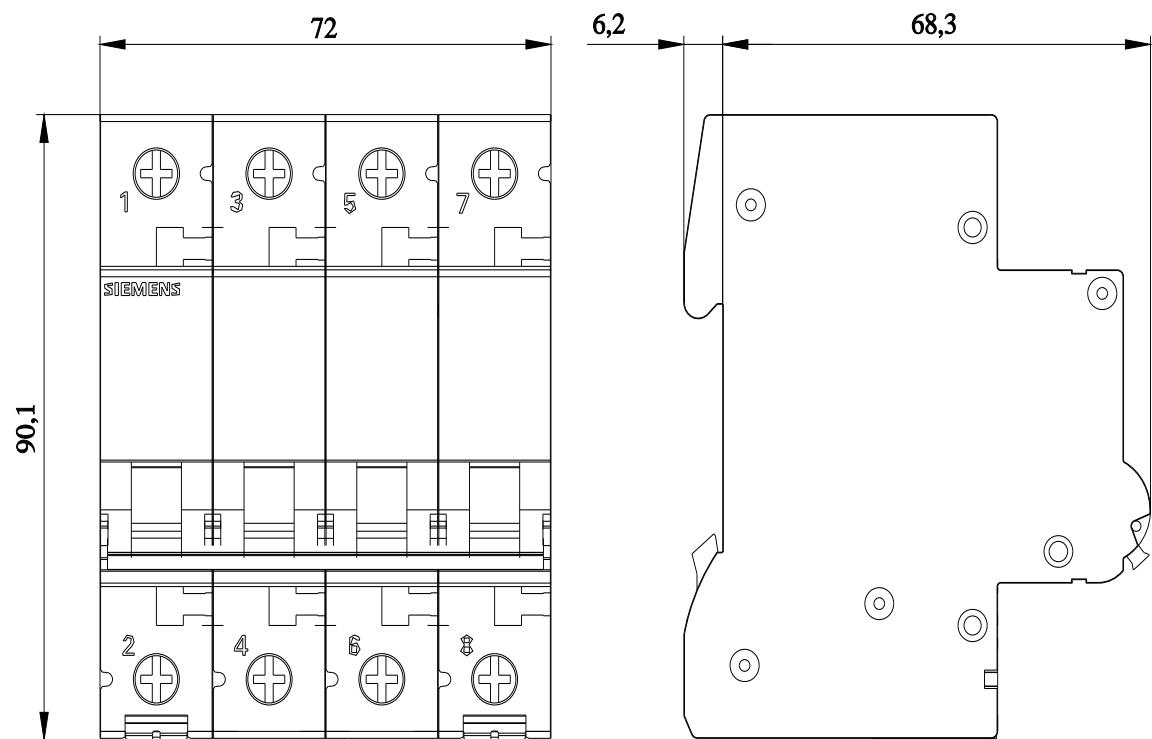




Miniature circuit breaker 400 V 6kA, 4-pole, B, 20 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	4
design of pole	4P
tripping characteristic class	B
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 multi-phase operation at AC rated value	440 V
operational current	
• at 30 °C rated value	20 A
• at 40 °C rated value	18.79 A
• at 55 °C rated value	16.8 A
• at AC rated value	20 A
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
Breaking 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	2.2 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 mm ²				
• maximum	25 mm ²				
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 mm ²				
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	480 g				
Environmental conditions					
ambient temperature during operation					
• minimum	-25 °C				
• maximum	45 °C				
ambient temperature during storage					
• minimum	-40 °C				
• maximum	75 °C				
Approvals Certificates					
General Product Approval					
	Confirmation				Miscellaneous
	Miscellaneous	Confirmation	Environmental Confirmations		
Further information					
Siemens has decided to exit the Russian market (see here). 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=5SL6420-6					
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6420-6					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6420-6					
CAx-Online-Generator http://www.siemens.com/cax					



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