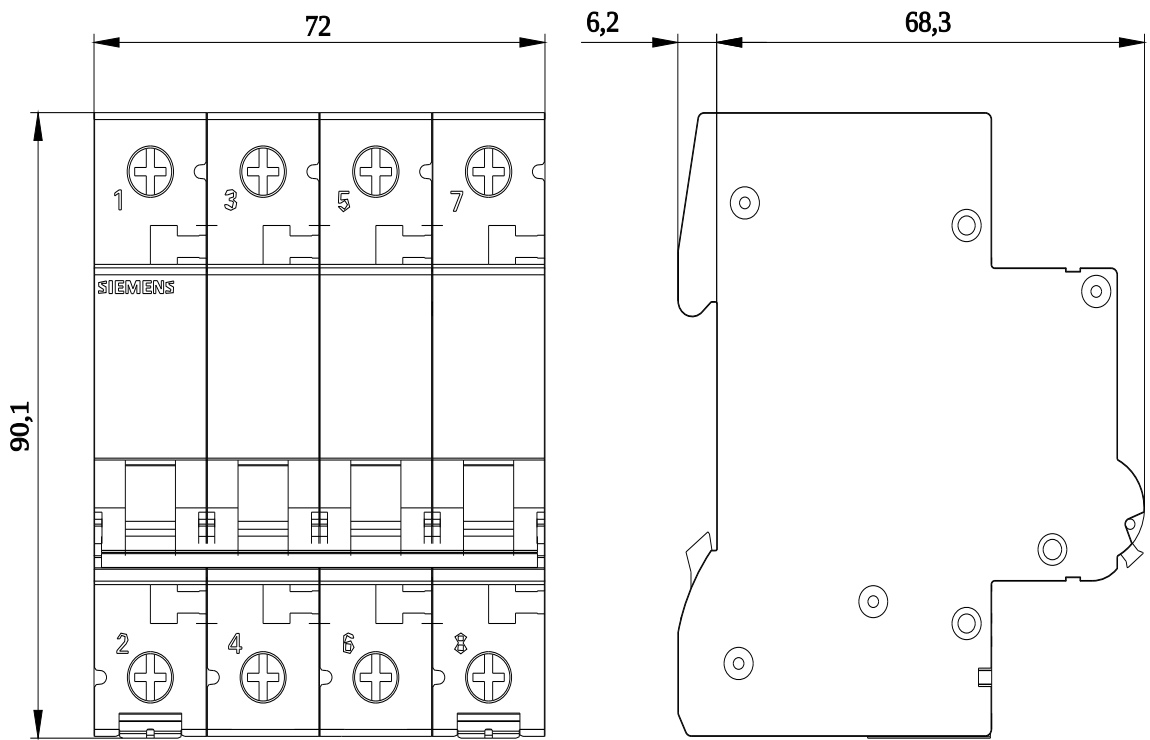


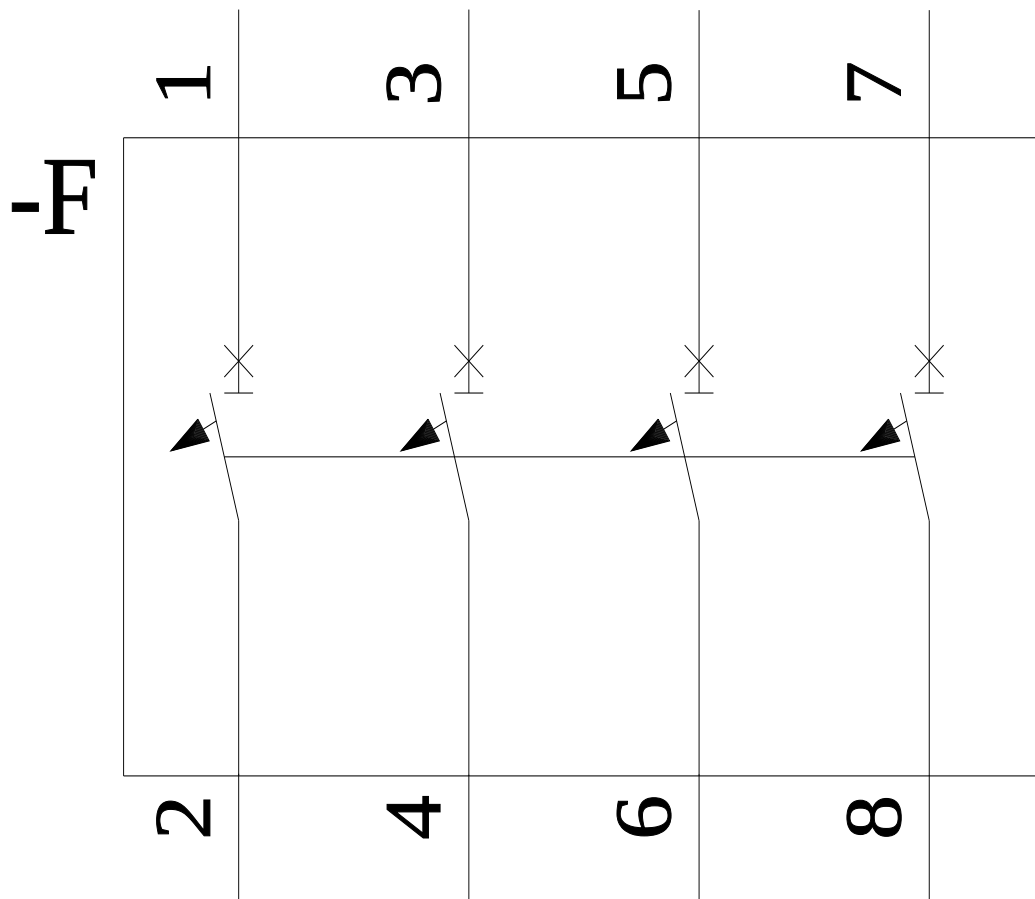


Miniature circuit breaker 400 V 10kA, 4-pole, D, 50 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	4
design of pole	4P
tripping characteristic class	D
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	50 A
• at 40 °C rated value	47.36 A
• at 55 °C rated value	43.09 A
• at AC rated value	50 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	72 V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
• according to EN 60898 rated value	10 kA
• according to IEC 60947-2 rated value	10 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	3.6 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 mm²				
• maximum	25 mm²				
connectable conductor cross-section stranded					
• minimum	0.75 mm²				
• maximum	25 mm²				
connectable conductor cross-section finely stranded with core end processing					
• minimum	0.75 mm²				
• 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	649 g				
Environmental conditions					
ambient temperature during operation					
• minimum	-25 °C				
• maximum	55 °C				
ambient temperature during storage					
• minimum	-40 °C				
• maximum	75 °C				
Approvals Certificates					
General Product Approval					
  Confirmation  EG-Konf.  IMQ  VDE					
General Product Approval	Test Certificates	other	Environment		
	Miscellaneous	Miscellaneous	Miscellaneous	Confirmation	Environmental Confirmations
Environment					
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) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL4450-8 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL4450-8					





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