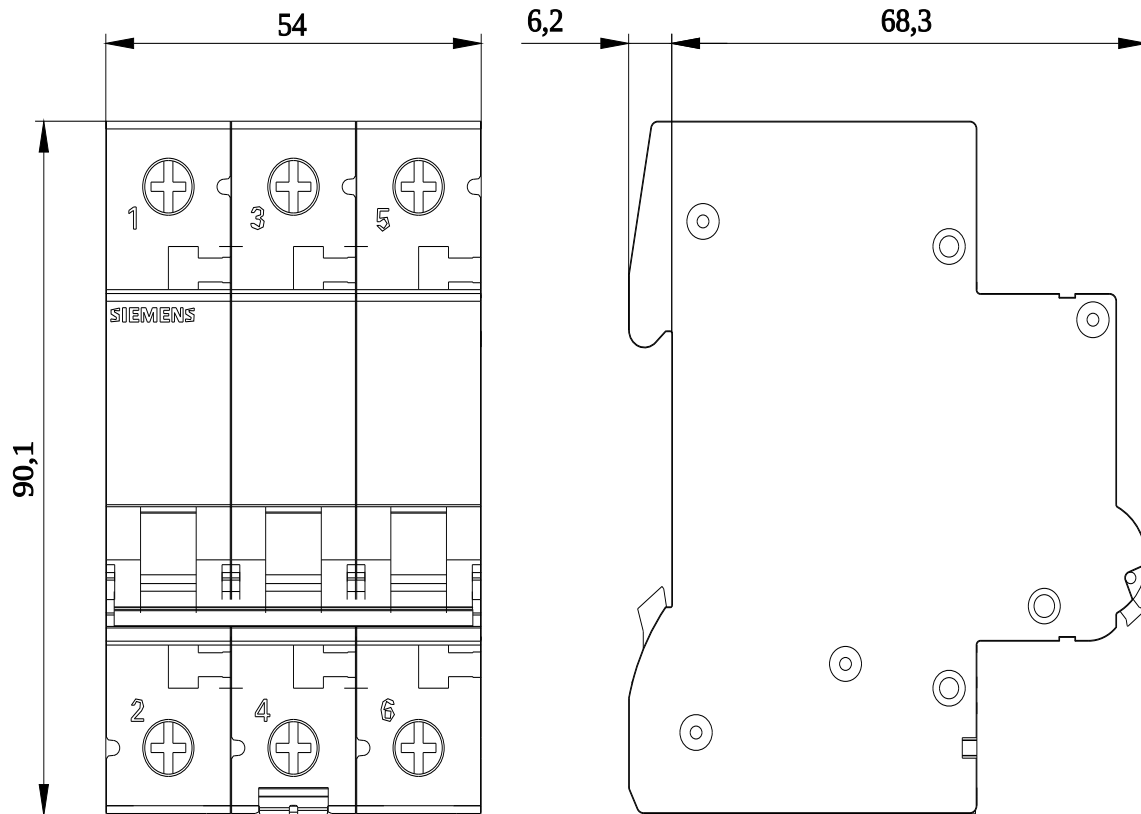




Miniature circuit breaker 400 V 6kA, 3-pole, C, 32 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	3
design of pole	3P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.
insulation voltage (Ui)	
• with multi-phase operation at AC rated value	440 V
• operational current	
— at 30 °C rated value	32 A
— at 40 °C rated value	30.45 A
— at 55 °C rated value	27.97 A
• operational current at AC rated value	32 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	62.5 V
•	The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V
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	3.1 W

suitability for operation		Residential buildings/infrastructure	
Product details			
product feature touch protection		Yes	
product component neutral conductor switching		No	
product feature halogen-free		Yes	
product feature sealable		Yes	
product feature 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		54 mm	
depth		76 mm	
installation depth		70 mm	
number of modular width units		3	
mounting position		any	
Net Weight		388 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			
Environment		General Product Approval	
Environmental Confirmations		Environmental Confirmations	
			
			
			
General Product Approval		other	
		Confirmation	
			
			
		Confirmation	
			
Further information			
Information on the packaging			
https://support.industry.siemens.com/cs/ww/en/view/109813875			
Information for data generation and storage			
https://support.industry.siemens.com/cs/ww/en/view/109995012			
Information- and Downloadcenter (Catalogs, Brochures,...)			
https://www.siemens.com/lowvoltage/catalogs			
Industry Mall (Online ordering system)			
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6332-Z			





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