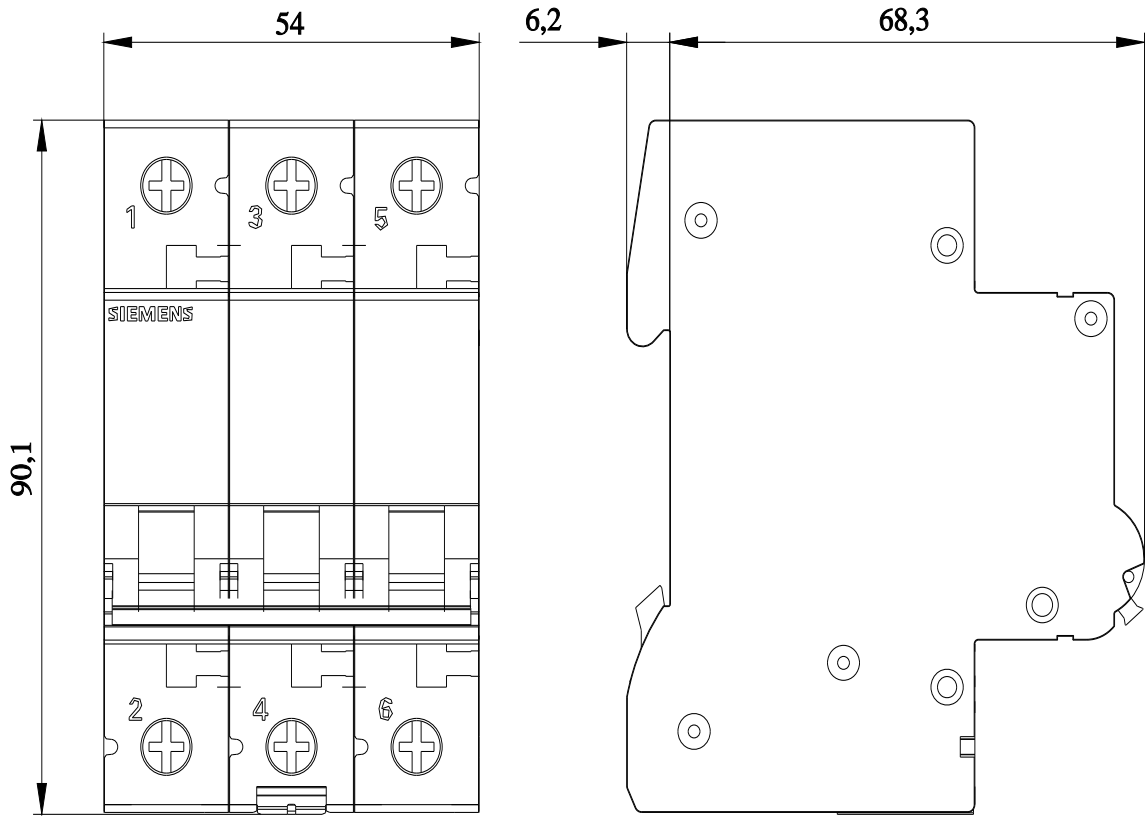




Circuit breaker 400V, 6kA, 3-pole, D, 20 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	3
design of pole	3P
tripping characteristic class	D
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
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	18.86 A
• operational current at AC rated value	20 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	6 kA
grid spacing	35 mm
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	2.4 W
Product details	
product feature touch protection	No
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 maximum	25 mm ²		
connectable conductor cross-section stranded			
• minimum	0.75 mm ²		
• maximum	25 mm ²		
tightening torque with screw-type terminals			
• minimum	2.5 N·m		
• maximum	3.5 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	0.495 kg		
Environmental conditions			
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity		
vibration resistance according to IEC 60068-2-6	50 m/s ² at 25 to 150 Hz		
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	other	
			
Further information			
<p>Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875</p> <p>Information for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012</p> <p>Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/lowvoltage/catalogs</p> <p>Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SN6320-8CN</p> <p>Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SN6320-8CN</p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SN6320-8CN</p> <p>CAX-Online-Generator https://www.siemens.com/cax</p> <p>Tender specifications https://www.siemens.com/specifications</p> <p>Characteristic curves <a haupt"><="" href="https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=" mmp_prod_no>"="">https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no></p>			



last modified:

9/13/2025 