



Circuit breaker 400V, 6kA, 3-pole, C, 50A

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
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	47.15 A
• operational current 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	6 kA
grid spacing	35 mm
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	3.6 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 mm²
connectable conductor cross-section stranded		
• minimum		0.75 mm²
• maximum		25 mm²
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/s² 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

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=5SN6350-7CN>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SN6350-7CN>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SN6350-7CN

CAX-Online-Generator

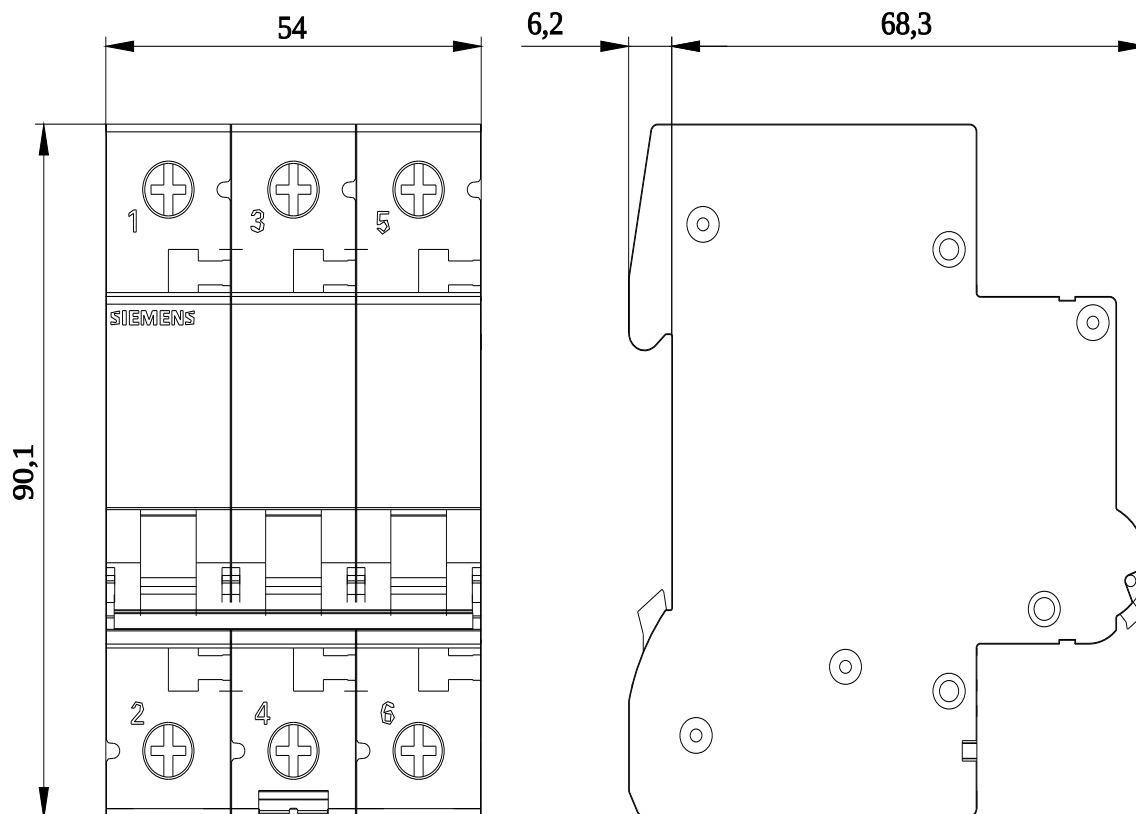
<https://www.siemens.com/cax>

Tender specifications

<https://www.siemens.com/specifications>

Characteristic curves

https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>



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