



Miniature circuit breaker 400 V 6kA, 2-pole, C, 4 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
design of pole	2P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	3
degree of pollution	3
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 40 °C rated value	3.76 A
— at 50 °C rated value	3.5 A
— at 55 °C rated value	3.37 A
• operational current at AC rated value	4 A
Supply voltage	
supply voltage	
• at AC	400 V
• at DC rated value	60 V
value range of the supply voltage frequency	50/60 Hz
operating voltage at DC rated value maximum	72 V
supply voltage frequency rated value	50/60 Hz
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
• according to EN 60898 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	1.3 W
suitability for operation	Infrastructure / Industry
Product details	
product feature touch protection	Yes

product component					
• combined terminal top	Yes				
• combined terminal bottom	Yes				
• neutral conductor switching	No				
product feature properties for main switches in accordance with EN 60204-1	Yes				
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	35 mm²				
connectable conductor cross-section stranded					
• minimum	0.75 mm²				
• maximum	35 mm²				
connectable conductor cross-section finely stranded with core end processing					
• minimum	0.75 mm²				
• maximum	25 mm²				
tightening torque [lbf-in] with screw-type terminals					
• minimum	22 lbf-in				
• maximum	31 lbf-in				
tightening torque with screw-type terminals					
• minimum	2.5 N-m				
• maximum	3.5 N-m				
position of power supply cord	Any				
Mechanical Design					
height	90 mm				
width	36 mm				
depth	76 mm				
installation depth	70 mm				
number of modular width units	2				
fastening method	DIN rail				
mounting position	any				
Net Weight	0.32 kg				
Environmental conditions					
influence of the surrounding temperature	max. 95% RH up to 55°C				
standard	IEC / EN 60898-1				
vibration resistance according to IEC 60068-2-6	±1mm at 5 to 25 Hz; 50 m/s² at 25 to 150 Hz and 60 m/s² at 35 Hz (4 sec)				
ambient temperature during operation					
• minimum	-25 °C				
• maximum	55 °C				
ambient temperature during storage					
• minimum	-40 °C				
• maximum	75 °C				
number of test cycles for environmental testing according to IEC 60068-2-30	28				
Approvals Certificates					
Environment	General Product Approval				
Environmental Confirmations		Environmental Confirmations			Confirmation
General Product Approval		Maritime application		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=5SY6204-7CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SY6204-7CC>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY6204-7CC

CAx-Online-Generator

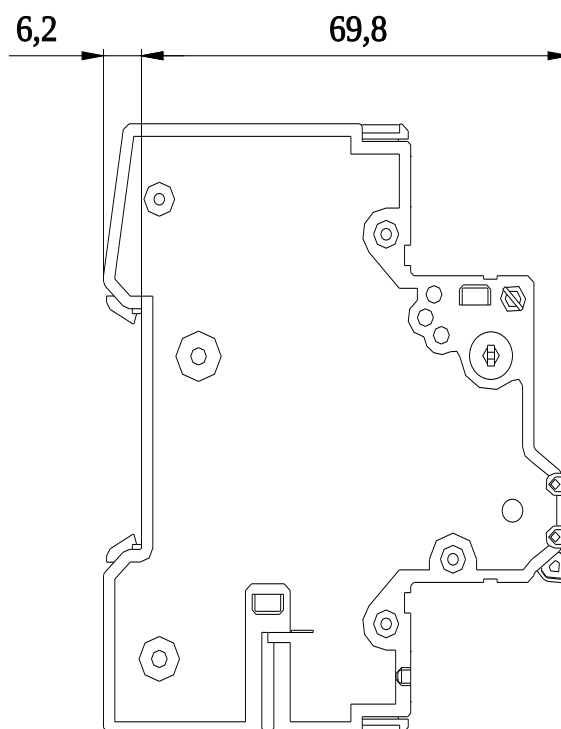
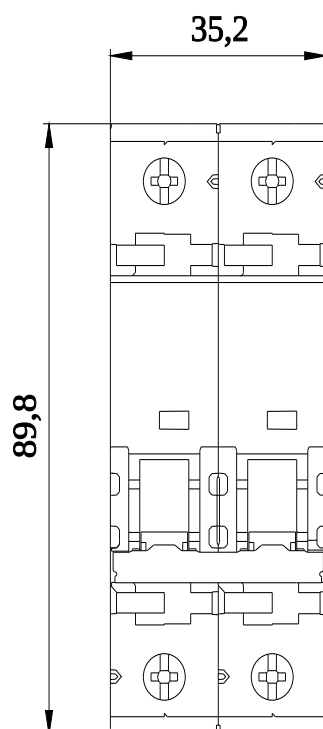
<https://www.siemens.com/cax>

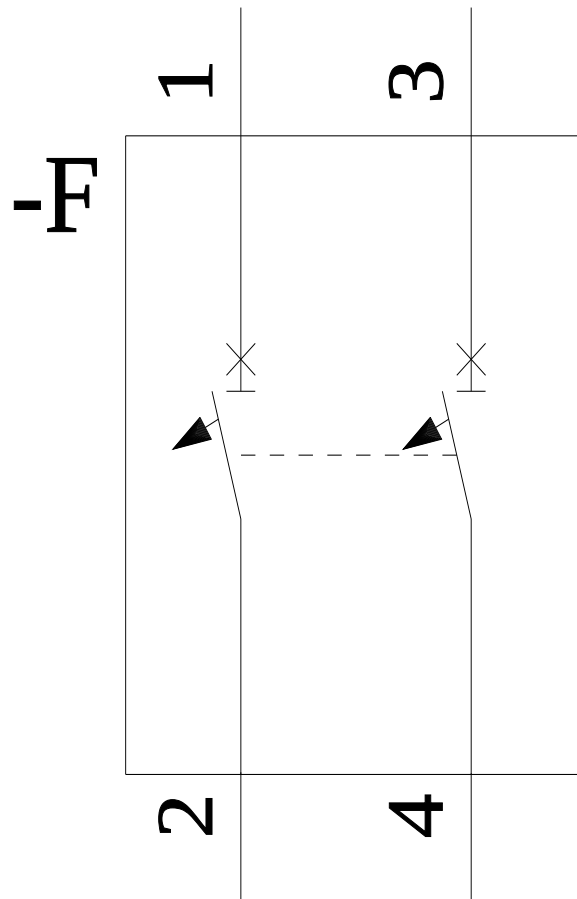
Tender specifications

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

Characteristic curves

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





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