



Figure similar

Miniature circuit breaker 230/400 V 6kA, 1-pole, D, 20 A
Circuit breaker 230/400 V 6kA, 1-pole, D, 20 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	1
design of pole	1P
tripping characteristic class	D
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 single-phase operation at AC rated value	250 V
• 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
— at 50 °C rated value	17.65 A
— at 55 °C rated value	17.01 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	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
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		18 mm	
depth		76 mm	
installation depth		70 mm	
number of modular width units		1	
mounting position		any	
Net Weight		0.165 kg	
Environmental conditions			
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	
Environmental footprint			
Environmental Product Declaration(EPD)		Yes	
global warming potential [CO2 eq] total		28.2 kg	
global warming potential [CO2 eq] during manufacturing		0.718 kg	
global warming potential [CO2 eq] during operation		27.5 kg	
global warming potential [CO2 eq] after end of life		-0.057 kg	
Approvals Certificates			
General Product Approval			EMV
 CCC   EG-Konf. Confirmation   RCM			
other		Environment	
 Confirmation  Environmental Confirmations Environmental Confirmations			

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=5SL6120-8CC>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6120-8CC>

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

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6120-8CC

CAX-Online-Generator

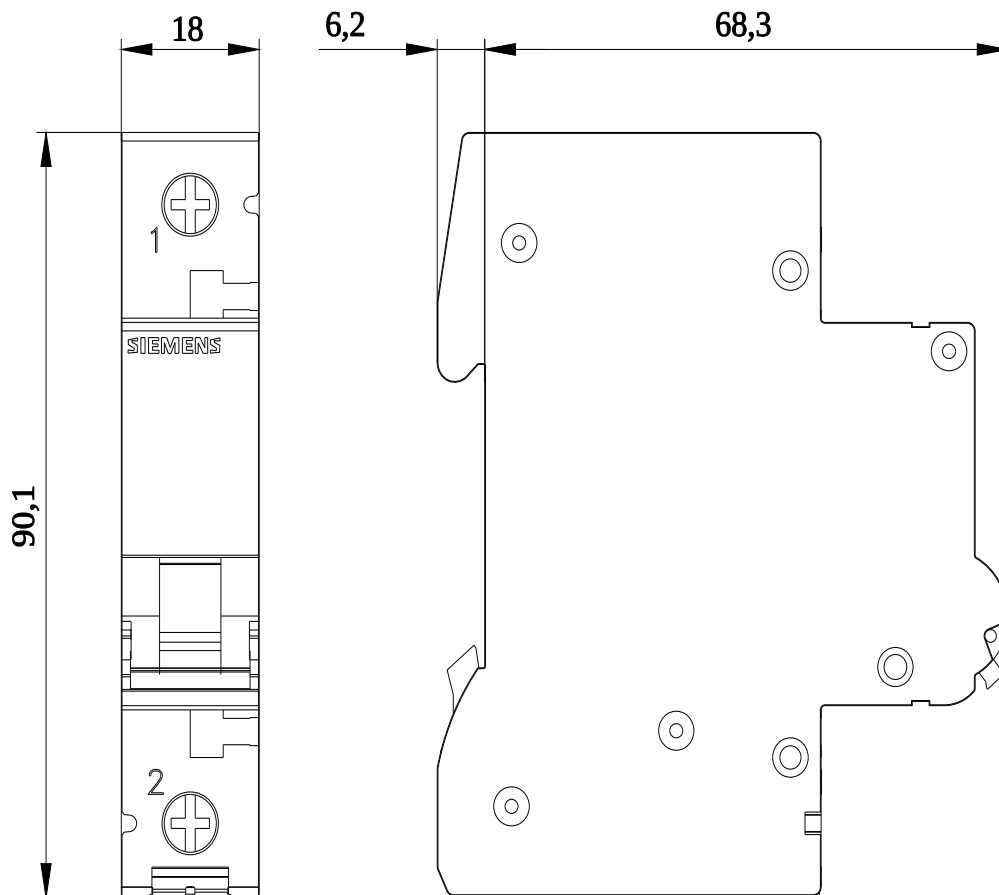
<https://www.siemens.com/cax>

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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