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Data sheet 5SL6216-7CC



Figure similar

Miniature circuit breaker 400 V 6kA, 2-pole, C, 16A Circuit breaker 400 V 6kA, 2-pole, C, 16A

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
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	16 A
— at 40 °C rated value	15.28 A
— at 50 °C rated value	14.53 A
— at 55 °C rated value	14.14 A
● **operational current at AC rated value**	16 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
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	2.8 W

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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	36 mm
depth	76 mm
installation depth	70 mm
number of modular width units	2
mounting position	any
Net Weight	0.33 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

Approvals Certificates

Environment		General Product Approval			EMV
Environmental Con-firmations	Environmental Con-firmations	EPD	CCC	EAC	RCM

Further information

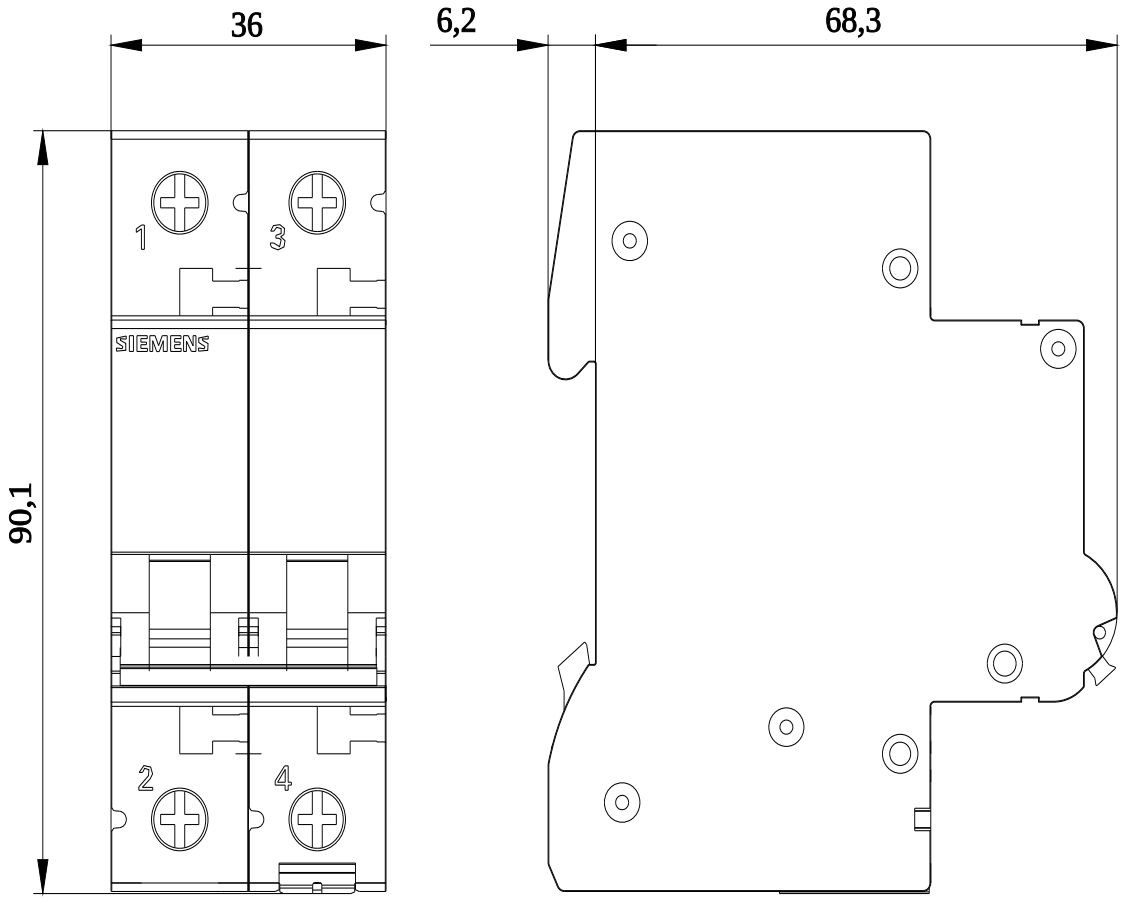
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Tender specifications

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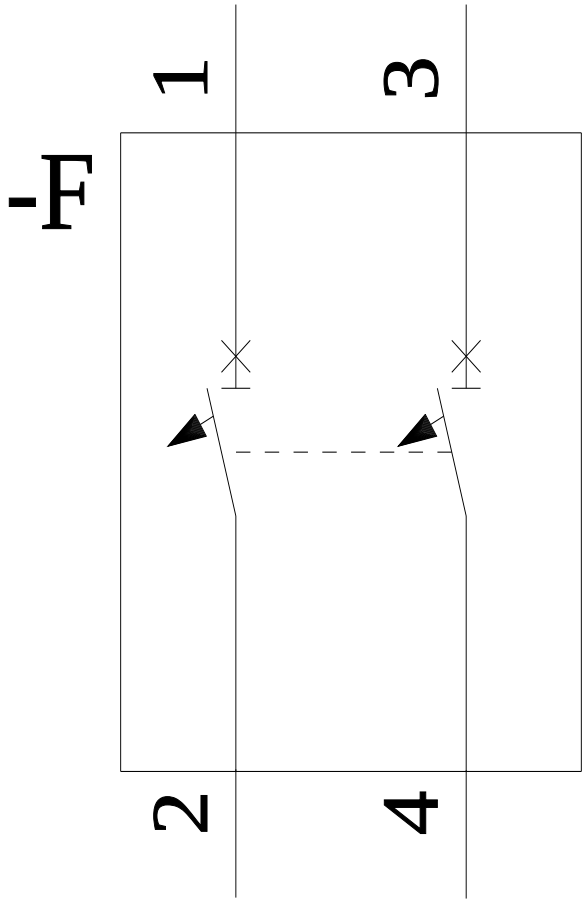
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Characteristic curves

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