

PRODUCT-DETAILS

S201-B4

Miniature Circuit Breakers MCBs - S200 - 1P - B - 4 ampere



General Information

Extended Product Type	S201-B4
Product ID	2CDS251001R0045
EAN	4016779926218
Catalog Description	Miniature Circuit Breakers MCBs - S200 - 1P - B - 4 ampere
Long Description	System pro M compact S200 miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 6 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200 comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

Technical

Standards	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
Number of Poles	1
Number of Protected Poles	1
Tripping Characteristic	B
Rated Current (I _n)	4 A
Rated Operational Voltage	acc. to IEC 60898-1 230 / 400 V AC acc. to IEC 60947-2 230 V AC
Rated Insulation Voltage	acc. to IEC/EN 60664-1 440 V

(U_i)

Operational Voltage

Maximum (Incl. Tolerance) 253 V AC

Maximum (Incl. Tolerance) 72 V DC

Minimum 12 V AC / 12 V DC

Rated Frequency (f)	50 Hz 60 Hz
Rated Short-Circuit Capacity (I _{cn})	(230 / 400 V AC) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(133 V AC) 20 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(133 V AC) 15 kA
Energy Limiting Class	3
Overvoltage Category	III
Pollution Degree	3
Rated Impulse Withstand Voltage (U _{imp})	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Housing Material	Insulation Group II, RAL 7035
Actuator Material	Insulation Group II, Black, Sealable
Actuator Marking	I / O
Contact Position Indication	Red ON / Green OFF
Degree of Protection	IP20
Remarks	IP40 in enclosure with cover
Electrical Endurance	20000 AC cycle 20000 cycle
Terminal Type	Screw Terminals
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ²
Tightening Torque	2.8 N·m
Recommended Screw Driver	Pozidriv 2
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any
Built-In Depth (t ₂)	69 mm
Installation Size	acc. to DIN 43880 1
Power Supply Connection	Arbitrary

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
RoHS Status	Following EU Directive 2011/65/EU

Technical UL/CSA

Maximum Operating Voltage UL/CSA	277 V AC
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA	25 in-lb
Interrupting Rating acc. to UL1077	(133 V AC) 6 kA (277 V AC) 6 kA

Dimensions

Product Net Width	17.5 mm
Product Net Depth / Length	69 mm
Product Net Height	85 mm
Product Net Weight	0.115 kg

Container Information

Package Level 1 Units	carton 10 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	183 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	1.2 kg
Package Level 1 EAN	4016779926225
Package Level 2 Units	120 piece
Package Level 2 Width	275 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	14.8 kg
Package Level 2 EAN	4016779926232

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
E-Number (Finland)	3211130

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK403001D0607
Environmental Information	2CDK400030D0201
RoHS Information	2CDK400003K0201

Popular Downloads

Data Sheet, Technical Information	2CDC002157D0102
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Classifications	
Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
eClass	V11.0 : 27141901
UNSPSC	39121614

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs

