

Detailed information for: S203-K50

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Data Sheet

Documentation

S203-K50

General Information

Extended Product Type: S203-K50

Product ID: 2CDS253001R0577

EAN: 4016779551182

Catalog Description: Miniature Circuit Breaker - S200 - 3P - K

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 and CSA 22.2 No. 235, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

Categories

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



+ Accessories

Ordering

Minimum Order Quantity: 1 piece

Customs Tariff Number: 85362010

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Data Sheet, Technical Information: [2CDC002157D0102](#)

Dimensions

Product Net Width: 52.5 mm

Product Net Depth:	69 mm
Product Net Height:	88 mm
Product Net Weight:	0.375 kg
Technical	
Standards:	IEC/EN 60947-2 UL 1077
Number of Poles:	3
Tripping Characteristic:	K
Rated Current (I _n):	50 A
Rated Operational Voltage:	acc. to IEC 60947-2 440 V AC
Power Loss:	9.3 W at Rated Operating Conditions per Pole 3.1 W
Rated Insulation Voltage (U _i):	acc. to IEC/EN 60664-1 440 V
Operational Voltage:	Maximum (Incl. Tolerance) 125 V DC Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC / 12 V DC
Rated Frequency (f):	50 Hz 60 Hz
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}):	(230 V AC) 20 kA (440 V AC) 10 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs}):	(230 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) kV (5.0 kV @ 2000 m) kV
Dielectric Test Voltage:	50 / 60 Hz, 1 min: 2 kV
Housing Material:	Insulation Group II, RAL 7035
Actuator Type:	Insulation group II, black, sealable
Contact Position Indication:	Red ON / Green OFF
Degree of Protection:	IP20
Remarks:	IP40 in enclosure with cover
Electrical Endurance:	10000 AC cycle
Mechanical Endurance:	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:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715

Mounting Position:	Any
Environmental	
Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °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 2002/95/EC August 18, 2005 and amendment
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Technical UL/CSA	
Maximum Operating Voltage UL/CSA:	110 V DC 480Y / 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:	(110 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA

Certificates and Declarations (Document Number)	
Declaration of Conformity - CE:	<u>2CDK403001D0604</u>
Environmental Information:	<u>2CDK400030D0201</u>
Instructions and Manuals:	<u>2CSC400002D0208</u>
RoHS Information:	<u>2CDK400003K0201</u>

Container Information	
Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 1 Length:	58 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	0.4 kg
Package Level 1 EAN:	4016779609630
Package Level 2 Units:	36 piece
Package Level 2 Width:	275 mm
Package Level 2 Length:	395 mm
Package Level 2 Height:	210 mm
Package Level 2 Gross Weight:	13.36 kg
Package Level 2 EAN:	4016779973656

Classifications	
Object Classification Code:	F
E-nummer:	2100737
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)

Contact information

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