S202-C20

General Information

Extended Product Type:	S202-C20
Product ID:	2CDS252001R0204
EAN:	4016779466004
Catalog Description:	Miniature Circuit Breaker - S200 - 2P - C - 20 A
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

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
EAN:	4016779466004

Dimensions

Product Net Depth:	69 mm
Product Net Height:	88 mm
Product Net Weight:	0.25 kg
Product Net Width:	35 mm

Container Information

Package Level 1 Width:	92 mm
Package Level 1 Length:	183 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	1.3 kg
Package Level 1 EAN:	4016779608459
Package Level 2 Units:	60 piece
Package Level 2 Width:	275 mm
Package Level 2 Length:	395 mm

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Package Level 2 Height:	210 mm
Package Level 2 Gross Weight:	14.8 kg
Package Level 2 EAN:	4016779972383
Package Level 1 Units:	5 piece

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

Technical

Number of Poles:	2
Tripping Characteristic:	C
Rated Current (I_n):	20 A
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC
Power Loss:	5 W at Rated Operating Conditions per Pole 2.5 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 Short-Circuit Capacity (I_{cn}):	(AC) 6 kA 6 kA (DC) kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	10 kA 10 kA (DC) kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	7.5 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	3
Rated Impulse Withstand Voltage (U_{imp}):	4 kV (6.2 kV @ sea level)

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	(5.0 kV @ 2000 m)
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:	20000 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
Standards:	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077

Technical UL/CSA

Connecting Capacity UL/CSA:	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA:	25 in·lb
Interrupting Rating acc. to UL1077:	6 kA (DC) 10 kA
Maximum Operating Voltage UL/CSA:	480Y / 277 V AC

Certificates and Declarations (Document Number)

Instructions and Manuals:	2CSC400002D0208
Data Sheet, Technical Information:	2CSC400002D0208
Declaration of Conformity - CE:	2CDK403001D0604
RoHS Information:	2CDK400003K0201

Classifications

E-nummer:	2100562
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)

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