S202M-B10

General Information

Extended Product Type:	S202M-B10
Product ID:	2CDS272001R0105
EAN:	4016779549592
Catalog Description:	Miniature Circuit Breaker - S200M - Number of Poles 2 - Tripping characteristic B
Long Description:	System pro M compact S200M 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 10 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200M comply with IEC/EN 60898-1 and IEC/EN 609 47-2, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200M to save 50% space.

Categories

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

Ordering

EAN:	4016779549592
Minimum Order Quantity:	1 piece
Country of Origin:	Germany (DE)

Container Information

Package Level 1 Units:	5 piece
Package Level 1 Width:	92.0 mm
Package Level 1 Length:	183.0 mm
Package Level 1 Height:	80.0 mm
Package Level 1 Gross Weight:	1.300 kg
Package Level 1 EAN:	4016779605663

Dimensions

Product Net Width:	35.0 mm
Product Net Depth:	69.0 mm
Product Net Height:	88.0 mm
Product Net Weight:	0.250 kg

Technical

Standards:	IEC/EN 60898-1 IEC/EN 60947-2
Number of Poles:	2
Tripping Characteristic:	B
Rated Current (I_n):	10.00 A
Rated Operational Voltage (U_e):	400 V AC
Rated Insulation Voltage (U_i):	Phase to Ground 250 V AC Phase to Phase 500 V AC
Operational Voltage:	Maximum 440 V AC Maximum 125 V DC Minimum 12 V AC Minimum 12 V DC
Rated Frequency (f_r):	50 / 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	15 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	11.2 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	2
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 I, RAL 7035
Actuator Type:	Insulation group II, black, sealable
Actuator Marking:	I / O
Contact Position Indication:	ON / OFF

Degree of Protection:	IP20
Remarks:	IP40 in enclosure with cover
Electrical Endurance (N_{elec}):	20000 cycle
Mechanical Endurance (N_{endu}):	20000 cycle
Terminal Type:	Screw Terminals
Screw Terminal Type:	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity:	Busbar 10 / 10 mm² Rigid 0.75...25 mm² Stranded 0.75...25 mm² Flexible 0.75...16 mm² Flexible with Ferrule 0.75...16 mm²
Tightening Torques:	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

Technical UL/CSA

Tightening Torques UL/CSA:	25 in·lb

Environmental

Ambient Air Temperature:	Operation -25 … +55 °C Storage -40 ... +70 °C
Reference Temperature for Tripping Characteristics:	30 °C
Resistance to Shock acc. to IEC 60068-2-27:	30g, 3 shocks, 11 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

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	2CDK403001D0602
Environmental Information:	2CDK400030D0201
RoHS Information:	2CDK400003K0201

Classifications

E-nummer:	E2101141
ETIM 4.0:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5.0:	EC000042 - Miniature circuit breaker (MCB)
Object Classification Code:	F