S202M-B20

General Information

Extended Product Type:	S202M-B20
Product ID:	2CDS272001R0205
EAN:	4016779549622
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

Accessories Show accessory images

Identifier	Description	Type	Qty
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	1
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1
2CDS200970R0001	S2C-H01 Bottom-fitting auxiliary contact	S2C-H01	1
2CDS200970R0002	S2C-H10 Bottom-fitting auxiliary contact	S2C-H10	1
2CDS200936R0001	S2C-H11L Auxiliary Contact	S2C-H11L	1
2CDS200936R0002	S2C-H20L Auxiliary Contact	S2C-H20L	1
2CDS200936R0003	S2C-H02L Auxiliary Contact	S2C-H02L	1
2CDS200946R0001	S2C-H6-11R Auxiliary contact	S2C-H6-11R	1
2CDS200946R0002	S2C-H6-20R Auxiliary contact	S2C-H6-20R	1
2CDS200946R0003	S2C-H6-02R Auxiliary contact	S2C-H6-02R	1
2CDS200909R0001	S2C-A1 Shunt Trip, 12...60V	S2C-A1	1
2CDS200909R0002	S2C-A2 Shunt Trip, 110...415V	S2C-A2	1
2CSS200911R0001	S2C-UA 12 DC Undervoltage release	S2C-UA 12 DC	1
2CSS200911R0002	S2C-UA 24 AC Undervoltage release	S2C-UA 24 AC	1
2CSS200911R0003	S2C-UA 48 AC Undervoltage release	S2C-UA 48 AC	1
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1
2CSS200911R0006	S2C-UA 400 AC Undervoltage release	S2C-UA 400 AC	1
2CSS200911R0007	S2C-UA 24 DC Undervoltage release	S2C-UA 24 DC	1
2CSS200911R0008	S2C-UA 48 DC Undervoltage release	S2C-UA 48 DC	1
2CSS200911R0009	S2C-UA 110 DC Undervoltage release	S2C-UA 110 DC	1
2CSS200911R0010	S2C-UA 230 DC Undervoltage release	S2C-UA 230 DC	1
2CSS201997R0013	S2C-CM1 Motor operating device	S2C-CM1	1
2CSS203997R0013	S2C-CM2/3 Motor operating device	S2C-CM2/3	1
2CSS204997R0013	S2C-CM4 Motor operating device	S2C-CM4	1
GHS2001901R0003	S2C-DH Rotary operating mechanism	S2C-DH	1
2CSS200998R0001	S2C-BP - Mechanical tripping device	S2C-BP	1
2CSS200999R0001	S2C-EST - Plug-in base	S2C-EST	1
2CDS200918R0001	S2C-Nt Hand operated neutral	S2C-NT	1
2CCA880100R0001	Sensor 18mm, 80A AC, DC, TRMS, mounting for pro M compact & SMISSLINE	CMS-100PS	1

2CCA880101R0001	Sensor 18mm, 40A AC, DC, TRMS, mounting for pro M compact & SMISSLINE	CMS-101PS	1
2CCA880102R0001	Sensor 18mm, 20A AC, DC, TRMS, mounting for pro M compact & SMISSLINE	CMS-102PS	1

Ordering

EAN:	4016779549622
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

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

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:	4016779605724

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

Standards:	IEC/EN 60898-1 IEC/EN 60947-2
Number of Poles:	2
Tripping Characteristic:	B
Rated Current (I_n):	20.00 A
Rated Operational Voltage:	acc. to IEC60898-1 400 V AC acc. to IEC60947-2 440 V AC
Power Loss:	5 W 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}):	10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	15 kA

Rated Service Short-Circuit Breaking Capacity (I_{cs}):	11.25 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
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 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 mm² Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Tightening Torque:	2 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

Maximum Operating Voltage UL/CSA:	480Y / 277 V AC
Connecting Capacity UL/CSA:	Busbar 14 ... 8 AWG Conductor 14 ... 4 AWG
Tightening Torque UL/CSA:	18 in·lb

Certificates and Declarations (Document Number)

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

Classifications

E-nummer:	2101144
ETIM 4.0:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5.0:	EC000042 - Miniature circuit breaker (MCB)
Object Classification Code:	F

