

S202-K1



General Information

Extended Product Type:	S202-K1
Product ID:	2CDS252001R0217
EAN:	4016779507325
Catalog Description:	Miniature Circuit Breaker - S200 - Number of Poles 2 - Tripping characteristic 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 [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 & SMISLINE	CMS-100PS	1

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

Ordering

EAN:	4016779507325
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:	4016779608473

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 UL 1077
Number of Poles:	2
Tripping Characteristic:	K
Rated Current (I_n):	1.00 A
Rated Operational Voltage:	acc. to IEC60898-1 400 V AC acc. to IEC60947-2 440 V AC
Power Loss:	2.5 W Per Pole 1.25 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}):	6.0 kA
Rated Ultimate Short-Circuit	10 kA

Breaking Capacity (I_{cu}):**Rated Service Short-Circuit Breaking Capacity (I_{cs}):** 7.5 kA**Capacity (I_{cs}):****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**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:** 2.8 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**Technical UL/CSA****Maximum Operating Voltage** 480Y / 277 V AC**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**Certificates and Declarations (Document Number)****Declaration of Conformity - CE:** 2CDK403001D0602**RoHS Information:** 2CDK400003K0201**Classifications****E-nummer:** 2100706**ETIM 4.0:** EC000042 - Miniature circuit breaker (MCB)**ETIM 5.0:** EC000042 - Miniature circuit breaker (MCB)**Object Classification Code:** F

