Reference: S203P-B20
Code: 2CDS283001R0205

Miniature Circuit Breaker - S200P - 3P - B - 20 A

Buy it at Electric Automation Network

System pro M compact S200P 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 25 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200P comply with IEC/EN 60898-1, IEC/EN 609 47-2, UL1077 and CSA 22.2 No. 235, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200P to save 50% space.

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Accessories

Show accessory images

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Identifier	Type	Description	Qty	Unit Of Measure
2CCA880100R0001	CMS-100PS	Sensor 18mm, 80A AC, DC, TRMS, mounting for pro M compact & SMISSLINE	1	piece

Identifier	Type	Description	Qty	Unit Of Measure
2CCA880101R0001	CMS-101PS	Sensor 18mm, 40A AC, DC, TRMS, mounting for pro M compact & SMISSLINE	1	piece
2CCA880102R0001	CMS-102PS	Sensor 18mm, 20A AC, DC, TRMS, mounting for pro M compact & SMISSLINE	1	piece
2CDS200909R0001	S2C-A1	S2C-A1 - Shunt Trip	1	piece
2CDS200909R0002	S2C-A2	S2C-A2 - Shunt Trip	1	piece
2CDS200912R0001	S2C-H6R	S2C-H6R - Auxiliary Contact	1	piece
2CDS200918R0001	S2C-NT	S2C-NT - Hand Operated Neutral	1	piece
2CDS200922R0001	S2C-S/H6R	S2C-S/H6R - Signal / Auxiliary Contact	1	piece
2CDS200936R0001	S2C-H11L	S2C-H11L - Auxiliary Contact	1	piece
2CDS200936R0002	S2C-H20L	S2C-H20L - Auxiliary Contact	1	piece
2CDS200936R0003	S2C-H02L	S2C-H02L - Auxiliary Contact	1	piece
2CDS200946R0001	S2C-H6-11R	S2C-H6-11R - Auxiliary Contact	1	piece
2CDS200946R0002	S2C-H6-20R	S2C-H6-20R - Auxiliary Contact	1	piece
2CDS200946R0003	S2C-H6-02R	S2C-H6-02R - Auxiliary Contact	1	piece
2CDS200970R0001	S2C-H01	S2C-H01 - Auxiliary Contact	1	piece
2CDS200970R0002	S2C-H10	S2C-H10 - Auxiliary Contact	1	piece
2CSS200911R0001	S2C-UA 12 DC	S2C-UA 12 DC - Undervoltage release	1	piece
2CSS200911R0002	S2C-UA 24 AC	S2C-UA 24 AC - Undervoltage release	1	piece
2CSS200911R0003	S2C-UA 48 AC	S2C-UA 48 AC - Undervoltage release	1	piece
2CSS200911R0004	S2C-UA 110 AC	S2C-UA 110 AC - Undervoltage release	1	piece
2CSS200911R0005	S2C-UA 230 AC	S2C-UA 230 AC - Undervoltage release	1	piece

Identifier	Type	Description	Qty	Unit Of Measure
2CSS200911R0006	S2C-UA 400 AC	S2C-UA 400 AC - Undervoltage release	1	piece
2CSS200911R0007	S2C-UA 24 DC	S2C-UA 24 DC - Undervoltage release	1	piece
2CSS200911R0008	S2C-UA 48 DC	S2C-UA 48 DC - Undervoltage release	1	piece
2CSS200911R0009	S2C-UA 110 DC	S2C-UA 110 DC - Undervoltage release	1	piece
2CSS200911R0010	S2C-UA 230 DC - Undervoltage release	S2C-UA 230 DC	1	piece
2CSS200998R0001	S2C-BP - Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST - Plug-in base	S2C-EST	1	piece
2CSS201997R0013	S2C-CM1 - Motor operating device	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3	S2C-CM2/3 - Motor operating device	1	piece
2CSS204997R0013	S2C-CM4 - Motor operating device	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH	S2C-DH - Mechanical Accessories	1	piece

Ordering

EAN:	4016779589819
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Dimensions

Product Net Width:	52.5 mm
Product Net Depth:	69 mm
Product Net Height:	88 mm
Product Net Weight:	0.42 kg

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:	0.435 kg
Package Level 1 EAN:	4016779597166

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 CSA 22.2 No. 235
Number of Poles:	3
Tripping Characteristic:	B
Rated Current (I_n):	20 A
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 400 V AC
Power Loss:	8.7 W at Rated Operating Conditions per Pole 2.9 W
Rated Insulation Voltage (U_i):	acc. toIEC/EN 60664-1 440 V
Operational Voltage:	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}):	25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	25 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	12.5 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	3

Rated Impulse Withstand Voltage (U_{imp}):	4 kV (6.2 kV @ sea level) (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 mm² Flexible with Ferrule 0.75 ... 16 mm² Flexible 0.75 ... 16 mm² Rigid 0.75 ... 25 mm² Stranded 0.75 ... 25 mm²
Tightening Torque:	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

Maximum Operating Voltage UL/CSA:	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:	(AC) 10 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	2CDK403003D0401
RoHS Information:	2CDK400003K0201

Classifications

eClass:	7.0 27141901
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
Object Classification Code:	F

UNSPSC:	39121614