

S201-C20

General Information

Extended Product Type:	S201-C20
Product ID:	2CDS251001R0204
EAN:	4016779464505
Catalog Description:	Miniature Circuit Breaker - S200 - 1P - C
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

Popular Downloads

Data Sheet, Technical Information:	2CDC002157D0102
Instructions and Manuals:	2CSC400002D0208

Dimensions

Product Net Width:	17.5 mm
Product Net Depth:	69 mm
Product Net Height:	88 mm
Product Net Weight:	0.125 kg

Technical

Standards:	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
Number of Poles:	1
Tripping Characteristic:	C
Rated Current (I_n):	20 A
Rated Operational Voltage:	acc. to IEC 60898-1 230 / 400 V AC acc. to IEC 60947-2 230 V AC
Power Loss:	2.5 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) 253 V AC
	Maximum (Incl. Tolerance) 72 V DC
	Maximum 253 V AC
	Maximum 72 V DC
	Minimum 12 V AC
	Minimum 12 V DC
Rated Frequency (f):	50 Hz 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	(230 / 400 V AC) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(133 V AC) 20 kA (230 V AC) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(133 V AC) 15 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 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
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 UL/CSA	
Maximum Operating Voltage UL/CSA:	60 V DC 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:	(133 V AC) 6 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA (60 V DC) 10 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	2CDK403001D0604
RoHS Information:	2CDK400003K0201

Container Information

Package Level 1 Units:	10 piece
Package Level 1 Width:	92 mm
Package Level 1 Length:	183 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	1.295 kg
Package Level 1 EAN:	4016779606905
Package Level 2 Units:	120 piece
Package Level 2 Width:	275 mm
Package Level 2 Length:	395 mm
Package Level 2 Height:	210 mm
Package Level 2 Gross Weight:	14.8 kg
Package Level 2 EAN:	4016779970754

Classifications

Object Classification Code:	F
E-nummer:	2100522
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
eClass:	7.0 27141901
UNSPSC:	39121614

Accessories

Identifier	Type	Unit Of Measure	Qty	Description
2CCA880100R0001	CMS-100PS	piece	1	CMS-100PS
2CCA880101R0001	CMS-101PS	piece	1	CMS-101PS
2CCA880102R0001	CMS-102PS	piece	1	CMS-102PS

Identifier	Type	Unit Of Measure	Qty	Description
2CDS200909R0001	S2C-A1	piece	1	S2C-A1 - Shunt Trip
2CDS200909R0002	S2C-A2	piece	1	S2C-A2 - Shunt Trip
2CDS200912R0001	S2C-H6R	piece	1	S2C-H6R - Auxiliary Contact
2CDS200918R0001	S2C-NT	piece	1	S2C-NT - Hand Operated Neutral
2CDS200922R0001	S2C-S/H6R	piece	1	S2C-S/H6R - Signal / Auxiliary Contact
2CDS200936R0001	S2C-H11L	piece	1	S2C-H11L - Auxiliary Contact
2CDS200936R0002	S2C-H20L	piece	1	S2C-H20L - Auxiliary Contact
2CDS200936R0003	S2C-H02L	piece	1	S2C-H02L - Auxiliary Contact
2CDS200946R0001	S2C-H6-11R	piece	1	S2C-H6-11R - Auxiliary Contact
2CDS200946R0002	S2C-H6-20R	piece	1	S2C-H6-20R - Auxiliary Contact
2CDS200946R0003	S2C-H6-02R	piece	1	S2C-H6-02R - Auxiliary Contact
2CDS200970R0001	S2C-H01	piece	1	S2C-H01 - Auxiliary Contact
2CDS200970R0002	S2C-H10	piece	1	S2C-H10 - Auxiliary Contact
2CSS200911R0001	S2C-UA 12 DC	piece	1	S2C-UA 12 DC - Undervoltage release
2CSS200911R0002	S2C-UA 24 AC	piece	1	S2C-UA 24 AC - Undervoltage release
2CSS200911R0003	S2C-UA 48 AC	piece	1	S2C-UA 48 AC - Undervoltage release
2CSS200911R0004	S2C-UA 110 AC	piece	1	S2C-UA 110 AC - Undervoltage release
2CSS200911R0005	S2C-UA 230 AC	piece	1	S2C-UA 230 AC - Undervoltage release
2CSS200911R0006	S2C-UA 400 AC	piece	1	S2C-UA 400 AC - Undervoltage release
2CSS200911R0007	S2C-UA 24 DC	piece	1	S2C-UA 24 DC - Undervoltage release
2CSS200911R0008	S2C-UA 48 DC	piece	1	S2C-UA 48 DC - Undervoltage release
2CSS200911R0009	S2C-UA 110 DC	piece	1	S2C-UA 110 DC - Undervoltage release
2CSS200911R0010	S2C-UA 230 DC	piece	1	S2C-UA 230 DC - Undervoltage release
2CSS200998R0001	S2C-BP	piece	1	S2C-BP - Mechanical tripping device
2CSS200999R0001	S2C-EST	piece	1	S2C-EST - Plug-in base
2CSS201997R0013	S2C-CM1	piece	1	S2C-CM1 - Motor operating device
2CSS203997R0013	S2C-CM2/3	piece	1	S2C-CM2/3 - Motor operating device
2CSS204997R0013	S2C-CM4	piece	1	S2C-CM4 - Motor operating device
GHS2001901R0003	S2C-DH	piece	1	S2C-DH - Mechanical Accessories

