

S203P-K25

General Information

Extended Product Type:	S203P-K25
Product ID:	2CDS283001R0517
EAN:	4016779592765
Catalog Description:	Miniature Circuit Breaker - S200P - 3P - K - 25 ampere
Long Description:	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.

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:	9AKK106930A8017
Instructions and Manuals:	2CSC400002D0208

Dimensions

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

Technical

Standards:	CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
Number of Poles:	3
Tripping Characteristic:	K
Rated Current (I_n):	25 A

Rated Operational Voltage:	acc. to IEC 60947-2 400 V AC
Power Loss:	10.5 W at Rated Operating Conditions per Pole 3.5 W
Rated Insulation Voltage (U_i):	acc. to IEC/EN 60664-1 440 V
Operational Voltage:	Maximum (Incl. Tolerance) 440 V AC
Rated Frequency (f):	50 Hz 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(400 V AC) 25 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(400 V AC) 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) 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
Contact Position Indication:	Red ON / Green OFF
Degree of Protection:	IP20
Remarks:	IP40 in enclosure with cover
Electrical Endurance:	20000 AC 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 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
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

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:	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:	(480Y / 277 V AC) 10 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - [2CDK403003D0402](#)

CE:

Environmental Information: [2CDK400030D0201](#)

Instructions and Manuals: [2CSC400002D0208](#)

RoHS Information: [2CDK400003K0201](#)

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:	4016779597500

Classifications

Object Classification Code:	F
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
ETIM 7:	EC000042 - Miniature circuit breaker (MCB)
eClass:	7.0 27141901
UNSPSC:	39121614

Accessories

Identifier	Type	Unit Of Measure	Qty	Description
<u>2CCA880100R0001</u>	CMS-100PS	piece	1	CMS-100PS Sensor
<u>2CCA880101R0001</u>	CMS-101PS	piece	1	CMS-101PS Sensor
<u>2CCA880102R0001</u>	CMS-102PS	piece	1	CMS-102PS Sensor
<u>2CDS200909R0001</u>	S2C-A1	piece	1	S2C-A1 - Shunt Trip
<u>2CDS200909R0002</u>	S2C-A2	piece	1	S2C-A2 - Shunt Trip
<u>2CDS200912R0001</u>	S2C-H6R	piece	1	S2C-H6R - Auxiliary Contact
<u>2CDS200918R0001</u>	S2C-NT	piece	1	S2C-NT - Hand Operated Neutral
<u>2CDS200922R0001</u>	S2C-S/H6R	piece	1	S2C-S/H6R - Signal / Auxiliary Contact
<u>2CDS200936R0001</u>	S2C-H11L	piece	1	S2C-H11L - Auxiliary Contact
<u>2CDS200936R0002</u>	S2C-H20L	piece	1	S2C-H20L - Auxiliary Contact
<u>2CDS200936R0003</u>	S2C-H02L	piece	1	S2C-H02L - Auxiliary Contact
<u>2CDS200946R0001</u>	S2C-H6-11R	piece	1	S2C-H6-11R - Auxiliary Contact
<u>2CDS200946R0002</u>	S2C-H6-20R	piece	1	S2C-H6-20R - Auxiliary Contact
<u>2CDS200946R0003</u>	S2C-H6-02R	piece	1	S2C-H6-02R - Auxiliary Contact
<u>2CDS200970R0001</u>	S2C-H01	piece	1	S2C-H01 - Auxiliary Contact
<u>2CDS200970R0002</u>	S2C-H10	piece	1	S2C-H10 - Auxiliary Contact
<u>2CSS200911R0001</u>	S2C-UA 12 DC	piece	1	S2C-UA 12 DC - Undervoltage release
<u>2CSS200911R0002</u>	S2C-UA 24 AC	piece	1	S2C-UA 24 AC - Undervoltage release
<u>2CSS200911R0003</u>	S2C-UA 48 AC	piece	1	S2C-UA 48 AC - Undervoltage release
<u>2CSS200911R0004</u>	S2C-UA 110 AC	piece	1	S2C-UA 110 AC - Undervoltage release
<u>2CSS200911R0005</u>	S2C-UA 230 AC	piece	1	S2C-UA 230 AC - Undervoltage release
<u>2CSS200911R0006</u>	S2C-UA 400 AC	piece	1	S2C-UA 400 AC - Undervoltage release
<u>2CSS200911R0007</u>	S2C-UA 24 DC	piece	1	S2C-UA 24 DC - Undervoltage release
<u>2CSS200911R0008</u>	S2C-UA 48 DC	piece	1	S2C-UA 48 DC - Undervoltage release
<u>2CSS200911R0009</u>	S2C-UA 110 DC	piece	1	S2C-UA 110 DC - Undervoltage release
<u>2CSS200911R0010</u>	S2C-UA 230 DC	piece	1	S2C-UA 230 DC - Undervoltage release
<u>2CSS200998R0001</u>	S2C-BP	piece	1	S2C-BP - Mechanical tripping device
<u>2CSS200999R0001</u>	S2C-EST	piece	1	S2C-EST - Plug-in base

Identifier	Type	Unit Of Measure	Qty	Description
<u>2CSS201997R0013</u>	S2C-CM1	piece	1	S2C-CM1 - Motor operating device
<u>2CSS203997R0013</u>	S2C-CM2/3	piece	1	S2C-CM2/3 - Motor operating device
<u>2CSS204997R0013</u>	S2C-CM4	piece	1	S2C-CM4 - Motor operating device
<u>GHS2001901R0003</u>	S2C-DH	piece	1	S2C-DH - Mechanical Accessories



© Copyright 2018 ABB