

Miniature Circuit Breakers

S202P-K20

ABB contact for United States of America [View..](#)
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Customer Support

General Information

Extended Product Type:	S202P-K20
Product ID:	2CDS282001R0487
EAN:	4016779592550
Catalog Description:	Miniature Circuit Breaker - S200P - 2P - K - 20 A
Long Description:	<p>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.</p>



Categories

Products » Low Voltage Products and Systems » Modular DIN Rail Products » Miniature Circuit Breakers MCBs

Accessories [Show accessory images](#)

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
EAN:	4016779592550

Dimensions

Product Net Depth:	69 mm
Product Net Height:	88 mm
Product Net Weight:	0.28 kg
Product Net Width:	35 mm

Container Information

Package Level 1 Width:	92 mm
Package Level 1 Length:	183 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	1.45 kg

Package Level 1 EAN: 4016779596657
Package Level 1 Units: 5 piece

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

Number of Poles: 2

Tripping Characteristic: K

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: 5.8 W
at Rated Operating Conditions per Pole 2.9 W

Rated Insulation Voltage (U_i): acc. to IEC/EN 60664-1 440 V

Operational Voltage: Maximum (Incl. Tolerance) 440 V AC
Maximum (Incl. Tolerance) 125 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
25 kA (DC) 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) 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: 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 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
Standards:	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077 CSA 22.2 No. 235

Technical 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:	10 kA
Maximum Operating Voltage UL/CSA:	480Y / 277 V AC

Certificates and Declarations (Document Number)

Instructions and Manuals:	2CSC400002D0208
Data Sheet, Technical Information:	2CSC400002D0208
Declaration of Conformity - CE:	2CDK403003D0402
RoHS Information:	2CDK400003K0201

Classifications

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
Object Classification Code:	F

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Note: The documents below may refer to a product range. Please verify if the documents apply to the selected product type.

S200P

[CAD outline drawing \(2\)](#)

[Certificate \(61\)](#)

[Declaration of conformity \(2\)](#)

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