

### Product Guide » ABB2CDS252001R0257

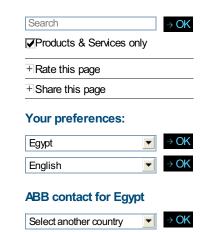
# S202-K1,6

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General Information

Extended Product Type: S202-K1,6 Product ID: 2CDS252001R0257 EAN: 4016779507332 Catalog Description: Miniature Circuit Breaker - S200 - 2 - K -1.60 A 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





## Categories

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

to save 50% space.

## **■ Accessories Show accessory images**

Ord	

EAN:	4016779507332
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:	4016779608527

Fackage Level I EAN.	40 107 / 9000327
Environmental	
Ambient Air Temperature:	Operation -25 +55 °C Storage -40 +70 °C
Resistance to Shock acc. to IEC	25g / 2 shocks / 13 ms

60068-2-27:

**Contact Position Indication:** 

Resistance to Vibrations acc. to IEC 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In

60068-2-6:

Environmental Conditions: 28 cycles with 55  $^{\circ}$ C / 90-96 % and 25  $^{\circ}$ C / 95-100 %

RoHS Status: Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical	UEO/EN 00000 4
Standards:	IEC/EN 60898-1 IEC/EN 60947-2
	UL 1077
Number of Poles:	2
Tripping Characteristic:	K
Rated Current (In):	1.60 A
Rated Operational Voltage:	acc. to IEC60898-1 400 V AC acc. to IEC60947-2 440 V AC
Power Loss:	3 W Per Pole 1.5 W
Rated Insulation Voltage (Ui):	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 <sub>cn</sub> ):	6.0 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ):	10 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):	7.5 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	3
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	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:	1/0

Red ON / Green OFF

Degree of Protection:	IP2U
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 <sup>2</sup> Flexible with Ferrule 0.75 25 mm <sup>2</sup> Flexible 0.75 25 mm <sup>2</sup> Rigid 0.75 35 mm <sup>2</sup> Stranded 0.75 35 mm <sup>2</sup>
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 (Do	ocument Number)
Declaration of Conformity - CE:	2CDK403001D0602
RoHS Information:	2CDK400003K0201
Classifications	
eClass:	7.0 27141901
E-nummer:	2100707
ETIM 4.0:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5.0:	EC000042 - Miniature circuit breaker (MCB)
Object Classification Code:	F

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