

## S203-K8



### General Information

<b>Extended Product Type:</b>	S203-K8
<b>Product ID:</b>	2CDS253001R0407
<b>EAN:</b>	4016779507530
<b>Catalog Description:</b>	Miniature Circuit Breaker - S200 - Number of Poles 3 - Tripping characteristic K
<b>Long Description:</b>	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

<b>EAN:</b>	4016779507530
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85362010

### Dimensions

<b>Product Net Width:</b>	52.5 mm
<b>Product Net Depth:</b>	69.0 mm
<b>Product Net Height:</b>	88.0 mm
<b>Product Net Weight:</b>	0.375 kg

### Container Information

<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	92.0 mm
<b>Package Level 1 Length:</b>	58.0 mm
<b>Package Level 1 Height:</b>	80.0 mm
<b>Package Level 1 Gross Weight:</b>	0.400 kg
<b>Package Level 1 EAN:</b>	4016779609456

### Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +70 °C
<b>Reference Temperature for Tripping</b>	20 °C
<b>Characteristics:</b>	
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	25g, 2 shocks, 13 ms
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	5g, 20 cycles at 5...150...5 Hz with load 0.8 In
<b>Environmental Conditions:</b>	28 cycles with 55 °C / 90-96% and 25 °C / 95-100%
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

### Technical

<b>Standards:</b>	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
<b>Number of Poles:</b>	3
<b>Tripping Characteristic:</b>	K
<b>Rated Current (I<sub>n</sub>):</b>	8 A
<b>Rated Operational Voltage (U<sub>e</sub>):</b>	400 V AC
<b>Power Loss:</b>	4.5 W Per Pole 1.5 W
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	Phase to Ground 250 V Phase to Phase 500 V
<b>Operational Voltage:</b>	Maximum 440 V AC Maximum 125 V DC Minimum 12 V AC Minimum 12 V DC
<b>Rated Frequency (f<sub>r</sub>):</b>	50 / 60 Hz

Rated Short-Circuit Capacity ( $I_{cn}$ ):	6.0 kA
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ):	10 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ):	7.5 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	2
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 I, RAL 7035
Actuator Type:	Insulation group II, black, sealable
Actuator Marking:	I / O
Contact Position Indication:	ON / OFF
Degree of Protection:	IP20
Remarks:	IP40 in enclosure with cover
Electrical Endurance ( $N_{elec}$ ):	20000 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 <sup>2</sup> Rigid 0.75...25 mm <sup>2</sup> Stranded 0.75...25 mm <sup>2</sup> Flexible 0.75...16 mm <sup>2</sup> Flexible with Ferrule 0.75...16 mm <sup>2</sup>
Tightening Torques:	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 UL/CSA:	480Y / 277 V AC
Connecting Capacity UL/CSA:	Busbar 18 - 8 AWG Conductor 18 - 4 AWG
Tightening Torques UL/CSA:	25 in·lb
Interrupting Rating acc. to UL1077:	6.0 kA

#### Certificates and Declarations (Document Number)

Declaration of Conformity - CE: [2CDK403001D0602](#);

#### Classifications

E-number:	2100729
ETIM 4.0:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5.0:	EC000042 - Miniature circuit breaker (MCB)
Object Classification Code:	F



