S201-K6

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General Information

Extended Product Type: S201-K6

Product ID: 2CDS251001R0377 **EAN**: 4016779507257

 Catalog Description:
 Miniature Circuit Breaker - S200 - Number

of Poles 1 - Tripping characteristic K

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

Accessories Show accessory images

Ordering

EAN: 4016779507257

Minimum Order Quantity: 1 piece
Customs Tariff Number: 85362010

Dimensions

Product Net Width:17.5 mmProduct Net Depth:69.0 mmProduct Net Height:88.0 mmProduct Net Weight:0.125 kg

Container Information

Package Level 1 Units: 10 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: 1.295 kg
Package Level 1 EAN: 4016779607087

Environmental

Operation -25 ... +55 °C **Ambient Air Temperature:**

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

Standards: IEC/EN 60898-1

IEC/EN 60947-2

UL 1077

Number of Poles: Tripping Characteristic: Κ 6.00 A Rated Current (In):

Rated Operational Voltage: acc. to IEC60898-1 230 / 400 V AC

acc. to IEC60947-2 230 V AC

Power Loss: 1.9 W

Per Pole 1.9 W

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

Operational Voltage: Maximum (incl. tolerance) 253 V AC

Maximum (incl. tolerance) 72 V DC

Minimum 12 V AC / 12 V DC

50 Hz Rated Frequency (f): 60 Hz

Rated Short-Circuit Capacity (Icn

6.0 kA

):

Rated Ultimate Short-Circuit Breaking 10 kA

Capacity (I_{CII}):

Rated Service Short-Circuit Breaking 7.5 kA

Capacity (I_{cs}):

Energy Limiting Class: 3 Overvoltage Category: Ш **Pollution Degree:** 3 **Rated Impulse Withstand Voltage** 4 kV

(U_{imp}):

(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

I/O**Actuator Marking:**

Contact Position Indication: Red ON / Green OFF

Degree of Protection: IP20

Remarks: IP40 in enclosure with cover

Electrical Endurance: 20000 AC cycle 20000 cycle **Mechanical Endurance: Terminal Type: Screw Terminals**

Screw Terminal Type: Failsafe Bi-directional Cylinder-lift Terminal

Connecting Capacity: Busbar 10 / 10 mm²

Flexible with Ferrule 0.75 ... 25 mm²

Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm²

Stranded 0.75 ... 35 mm²

Tightening Torque:2.8 N⋅mRecommended 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: 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:** 6 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:2CDK403001D0602RoHS Information:2CDK400003K0201

Classifications

eClass: 7.0 27141901 **E-nummer**: 2100694

ETIM 4.0: EC000042 - Miniature circuit breaker (MCB)
ETIM 5.0: EC000042 - Miniature circuit breaker (MCB)

Object Classification Code: F

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