Miniature Circuit Breaker - S200 - 2P - D - 6 ampere

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 (for this code purchased in South America there is no UL certificate), allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

General Information

Extended Product Type: S202-D6
Product ID: 2CDS252001R0061
EAN: 4016779530545
Catalog Description: Miniature Circuit Breaker - S200 - 2P - D - 6 ampere

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 (for this code purchased in South America there is no UL certificate), allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

Technical

Standards:
- IEC/EN 60898-1
- IEC/EN 60947-2
- UL 1077

Number of Poles: 2
Number of Protected Poles: 2
Tripping Characteristic: D
Rated Current ($I_{n}$): 6 A
Rated Operational Voltage:
  - acc. to IEC 60898-1: 400 V AC
  - acc. to IEC 60947-2: 440 V AC
Power Loss: 3.8 W
### Rated Insulation Voltage

(U<sub>i</sub>)

Maximum (Incl. Tolerance) 125 V DC

Maximum (Incl. Tolerance) 440 V AC

Maximum 440 V AC

Minimum 12 V AC

Minimum 12 V DC

### Operational Voltage

Maximum (Incl. Tolerance) 125 V DC

Maximum (Incl. Tolerance) 440 V AC

Maximum 440 V AC

Minimum 12 V AC

Minimum 12 V DC

### Rated Frequency (f)

50 Hz

60 Hz

### Rated Short-Circuit Capacity (I<sub>cn</sub>)

(400 V AC) 6 kA

### Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>)

(230 V AC) 20 kA

(440 V AC) 10 kA

### Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>)

(230 V AC) 15 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)

(5.0 kV @ 2000 m)

### 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 Material

Insulation Group II, Black, Sealable

### Actuator Marking

I / O

### Contact Position

Red ON / Green OFF

### Degree of Protection

IP20

### Remarks

IP40 in enclosure with cover

### Electrical Endurance

20000 AC 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 ... 25 mm²
- Flexible 0.75 ... 25 mm²
- Rigid 0.75 ... 35 mm²
- Stranded 0.75 ... 35 mm²

### 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

### Built-In Depth (t<sub>2</sub>)

69 mm

### Installation Size

acc. to DIN 43880 1

### Power Supply Connection

Arbitrary

### Environmental

<table>
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<tr>
<th>Ambient Air Temperature</th>
<th>Operation -25 ... +55 °C</th>
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<tr>
<td>Reference Ambient Air</td>
<td>-40 ... +70 °C</td>
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### Resistance to Shock acc. to IEC 60068-2-27

25g / 2 shocks / 13 ms

### Resistance to Vibrations

5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 lbf
acc. to IEC 60068-2-6
Environmental Conditions
28 cycles with 55 °C / 90-96 %
and 25 °C / 95-100 %

RoHS Status
Following EU Directive 2011/65/EU

Technical UL/CSA
Maximum Operating Voltage UL/CSA
110 V DC
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
(110 V DC) 10 kA
(277 V AC) 6 kA
(480Y / 277 V AC) 6 kA

Dimensions
Product Net Width
35 mm
Product Net Depth / Length
69 mm
Product Net Height
88 mm
Product Net Weight
0.25 kg

Container Information
Package Level 1 Units
carton 5 piece
Package Level 1 Width
92 mm
Package Level 1 Depth / Length
183 mm
Package Level 1 Height
80 mm
Package Level 1 Gross Weight
1.3 kg
Package Level 1 EAN
4016779608282
Package Level 2 Units
60 piece
Package Level 2 Width
275 mm
Package Level 2 Depth / Length
395 mm
Package Level 2 Height
210 mm
Package Level 2 Gross Weight
14.8 kg
Package Level 2 EAN
4016779972208

Ordering
Minimum Order Quantity
1 piece
Customs Tariff Number
85362010
E-Number (Sweden)
2100647

Certificates and Declarations (Document Number)
Declaration of Conformity - CE
2CDK403001D0607
Environmental Information
2CDK400030D0201
Instructions and
2CD5207104P0001
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<th>Unit Of Measure</th>
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<td>S2C-S/H6R - Signalkontakt / Hilfsschalter</td>
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Categories

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