

S203-C20



General Information

Extended Product Type:

S203-C20

Product ID:

2CDS253001R0204

EAN:

4016779468107

Catalog Description:

Miniature Circuit Breaker - S200 - 3P - C - 20 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 to save 50% space.

Categories

Products»

- Low Voltage Products and Systems

»

- Modular DIN Rail Products

»

- Miniature Circuit Breakers MCBs

Ordering

EAN:

4016779468107

Minimum Order Quantity:

1 piece

Customs Tariff Number:

85362010

Dimensions

Product Net Width:

52.5 mm

Product Net Depth:

69 mm

Product Net Height:

88 mm

Product Net Weight:

0.375 kg

Container Information

Package Level 1 Units:

1 piece

Package Level 1 Width:

92 mm

Package Level 1 Length:

58 mm

Package Level 1 Height:

80 mm

Package Level 1 Gross Weight:

0.4 kg

Package Level 1 EAN:

4016779609227

Package Level 2 Units:

36 piece

Package Level 2 Width:

275 mm

Package Level 2 Length:

395 mm

Package Level 2 Height:

210 mm

Package Level 2 Gross Weight:

13.36 kg

Package Level 2 EAN:

4016779973212

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

Standards:

IEC/EN 60898-1

IEC/EN 60947-2

UL 1077

Number of Poles:

3

Tripping Characteristic:

C

Rated Current (I_n):

20 A

Rated Operational Voltage:

acc. to IEC60898-1 400 V AC

acc. to IEC60947-2 440 V AC

Power Loss:

7.5 W

at Rated Operating Conditions per Pole 2.5 W

Rated Insulation Voltage (U_i):

acc. to IEC/EN 60664-1 440 V

Operational Voltage:

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_{cn}):

6 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:

3

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 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 ... 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

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 Torque UL/CSA:

25 in·lb

Interrupting Rating acc. to UL1077:

6 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:

2CDK403001D0602

RoHS Information:

2CDK400003K0201

Classifications

eClass:

7.0 27141901

E-nummer:

2100602

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

Ташев-Галвинг ООД
www.tashev-galving.com