

PRODUCT-DETAILS

SH203-C50

SH203-C50 Miniature Circuit Breaker - 3P - C - 50 A



General Information

| | |
|-----------------------|---|
| Extended Product Type | SH203-C50 |
| Product ID | 2CDS213001R0504 |
| EAN | 4016779701303 |
| Catalog Description | SH203-C50 Miniature Circuit Breaker - 3P - C - 50 A |
| Long Description | SH203-C50 MiniCircuitBreaker |

Technical

| | |
|---|---|
| Standards | IEC/EN 60898-1 |
| Tripping Characteristic | C |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V AC |
| Operational Voltage | Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 440 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV at 2000 m 5 kV at Sea Level 6.2 kV |
| Dielectric Test Voltage | 50/60 Hz, 1 min: 2 kV |
| Input Voltage Type | AC |
| Rated Current (I _n) | 50 A |
| Rated Short-Circuit Capacity | (AC) 6 kA (400 V AC) 6 kA |

| | |
|--|---|
| Rated Conditional Short-Circuit Current (I_{nc}) | (230 V) 6 kA (400 V) 6 kA |
| Rated Frequency (f) | 50 / 60 Hz |
| Power Loss | 9.75 W at Rated Operating Conditions per Pole 3.25 W |
| Power Supply Connection | Arbitrary |
| Contact Position Indication | ON / OFF |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 AC cycle |
| Mechanical Endurance | 20000 cycle |
| Number of Poles | 3 |
| Number of Protected Poles | 3 |
| Overvoltage Category | III |
| Tightening Torque | 2 N·m |
| Actuator Type | Toggle |
| Screw Terminal Type | Cage Terminal |
| Actuator Marking | I / O |
| Actuator Material | Insulation Group II, Black, Sealable |
| Housing Material | Insulation Group II, RAL 7035 |
| 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 |
| Recommended Screw Driver | Pozidriv 2 |
| Accessories Available | No |
| Connecting Capacity | Conductor 25 / 25 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ² |
| Installation Size | acc. to DIN 43880 1 |
| Terminal Type | Screw Terminals |

Environmental

| | |
|--|--|
| Ambient Air Temperature | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Reference Ambient Air Temperature | 30 °C |
| Degree of Protection | IP20 Enclosure with Cover IP40 |
| Pollution Degree | 2 |
| Environmental Conditions | 28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 % |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g / 2 shocks / 13 ms |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Environmental Information | 2CDK400030D0201 |
| REACH Declaration | 9AKK107492A1906 |

Dimensions

| | |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 3 |
| Product Net Width | 52.5 mm |
| Product Net Height | 85 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Weight | 0.375 kg |
| Pole Net Weight | 0.125 kg |
| Built-In Depth (t ₂) | 69 mm |

Container Information

| | |
|--------------------------------|-----------------|
| Package Level 1 Units | carton 1 piece |
| Package Level 1 Width | 92 mm |
| Package Level 1 Height | 80 mm |
| Package Level 1 Depth / Length | 58 mm |
| Package Level 1 Gross Weight | 0.39 kg |
| Package Level 1 EAN | 4016779701303 |
| Package Level 2 Units | carton 36 piece |
| Package Level 2 Width | 275 mm |
| Package Level 2 Height | 210 mm |
| Package Level 2 Depth / Length | 395 mm |
| Package Level 2 Gross Weight | 14.8 kg |
| Package Level 2 EAN | 4016779991322 |

Ordering

| | |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362010 |
| Country of Origin | Germany (DE) |

Certificates and Declarations (Document Number)

| | |
|--------------------------------|-----------------|
| Certification Agency | EN IEC |
| Declaration of Conformity - CE | 2CDK400607D2703 |
| Environmental Information | 2CDK400030D0201 |
| Instructions and Manuals | 2CDS207105P0001 |
| REACH Declaration | 9AKK107492A1906 |
| RoHS Information | 2CDK400030D0201 |

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CSC400030D0202 |
| Instructions and Manuals | 2CDS207105P0001 |

Classifications

| | |
|------------------------------------|--|
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| EPLAN Catalog Tree | Electrical engineering / Protection devices / General |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |
| CN8 | 8536 20 10 |
| UNSPSC | 39121603 |
| eClass | V11.0 : 27141901 |
| IDEA Granular Category Code (IGCC) | 4897 >> Miniature circuit breakers |
| Object Classification Code | F |

Categories

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

