

PRODUCT-DETAILS

S203-C80

Miniature Circuit Breaker - S200 80-100A - 3P - C - 80 ampere



General Information

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|-----------------------|---|
| Extended Product Type | S203-C80 |
| Product ID | 2CDS253001R0804 |
| EAN | 4016779916264 |
| Catalog Description | Miniature Circuit Breaker - S200 80-100A - 3P - C - 80 ampere |
| Long Description | S203-C80 MCB C-Char., 6kA, 80A, 3P |

Technical

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|------------------------------------|---|
| Standards | IEC/EN 60898-1 IEC/EN 60947-2 |
| Number of Poles | 3 |
| Number of Protected Poles | 3 |
| Tripping Characteristic | C |
| Rated Current (I_n) | 80 A |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 400 V AC |
| Power Loss | 39.2 W at Rated Operating Conditions per Pole 9.8 W |
| Rated Insulation Voltage (U_i) | acc. to IEC/EN 60664-1 440 V |
| Operational Voltage | Maximum (Incl. Tolerance) 440 V AC Maximum 440 V AC Minimum 12 V AC |
| Rated Frequency (f) | 50 Hz 60 Hz |

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| Rated Short-Circuit Capacity (I_{cn}) | (400 V AC) 6 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (400 V AC) 6 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (400 V AC) 6 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 I, RAL 7035 |
| Actuator Type | Toggle |
| Actuator Material | 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 | 10000 AC cycle 20000 cycle |
| Terminal Type | Screw Terminals |
| Screw Terminal Type | Failsafe Bi-directional Cylinder-lift Terminal |
| Connecting Capacity | Busbar 16 / 16 mm ² Conductor 2.5 ... 50 mm ² Flexible 4 ... 35 mm ² Rigid 2.5 ... 50 mm ² Stranded 2.5 ... 50 mm ² |
| Tightening Torque | 3 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_2) | 69 mm |
| Installation Size | acc. to DIN 43880 1 |
| Power Supply Connection | Arbitrary |

Environmental

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|--|---|
| Ambient Air Temperature | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Reference Ambient Air Temperature | 30 °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 2011/65/EU |

Dimensions

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|-------------------|---------|
| Product Net Width | 52.5 mm |
|-------------------|---------|

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|----------------------------|---------|
| Product Net Depth / Length | 69 mm |
| Product Net Height | 88 mm |
| Product Net Weight | 0.42 kg |

Container Information

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|--------------------------------|----------------|
| Package Level 1 Units | carton 1 piece |
| Package Level 1 Width | 92 mm |
| Package Level 1 Depth / Length | 58 mm |
| Package Level 1 Height | 80 mm |
| Package Level 1 Gross Weight | 16 kg |
| Package Level 1 EAN | 4016779917704 |
| Package Level 2 Units | 36 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 | 13.36 kg |
| Package Level 2 EAN | 4016779919142 |

Ordering

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|------------------------|----------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

Certificates and Declarations (Document Number)

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|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CDK400601D2703 |
| Instructions and Manuals | 2CDS207104P0001 |
| RoHS Information | 2CDK400601D2703 |

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC002180D0203 |
| Instructions and Manuals | 2CDS207104P0001 |

Classifications

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|--------|--|
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| eClass | 7.0 27141901 |
| UNSPSC | 39121614 |

Categories

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

