

PRODUCT-DETAILS

SH204-C50

Miniature Circuit Breaker - SH200 - 4P - C - 50 ampere



General Information

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| Extended Product Type | SH204-C50 |
| Product ID | 2CDS214001R0504 |
| EAN | 4016779702096 |
| Catalog Description | Miniature Circuit Breaker - SH200 - 4P - C - 50 ampere |
| Long Description | SH204-C50 MiniCircuitBreaker |

Technical

| | |
|------------------------------------|---|
| Standards | IEC/EN 60898-1 |
| Number of Poles | 4 |
| Number of Protected Poles | 4 |
| Tripping Characteristic | C |
| Rated Current (I_n) | 50 A |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V AC |
| Power Loss | 13 W at Rated Operating Conditions per Pole 3.25 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 |
| Energy Limiting Class | 3 |
| Overvoltage Category | III |
| Pollution Degree | 2 |
| 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 | 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 | Cage Terminal |
| 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 |
| Tightening Torque | 2 N·m |
| Recommended Screw Driver | Pozidriv 2 |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 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 | 70 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Height | 85 mm |
| Product Net Weight | 0.5 kg |

Container Information

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|--------------------------------|----------------|
| Package Level 1 Units | carton 1 piece |
| Package Level 1 Width | 80 mm |
| Package Level 1 Depth / Length | 78 mm |
| Package Level 1 Height | 92 mm |
| Package Level 1 Gross Weight | 0.51 kg |
| Package Level 1 EAN | 4016779702096 |
| Package Level 2 Units | 24 piece |
| Package Level 2 EAN | 4016779991445 |

Ordering

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|------------------------|----------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362010 |

Certificates and Declarations (Document Number)

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|--------------------------------|----------------------|
| Declaration of Conformity - CE | 9AKK107046A5460 |
| Environmental Information | 2CDK400030D0201 |
| Instructions and Manuals | Printed on packaging |
| RoHS Information | 2CDK400030D0201 |

Popular Downloads

| | |
|-----------------------------------|----------------------|
| Data Sheet, Technical Information | 2CSC400030D0202 |
| Instructions and Manuals | Printed on packaging |

Classifications

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| Object Classification Code | F |
| ETIM 6 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| eClass | V11.0 : 27141901 |
| UNSPSC | 39121614 |

Categories

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

