



 PRODUCT-DETAILS

S202L-C10

Miniature Circuit Breaker - 2P - C - 10 A



General Information

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| Extended Product Type | S202L-C10 |
| Product ID | 2CDS242701R0104 |
| EAN | 4016779598460 |
| Catalog Description | Miniature Circuit Breaker - 2P - C - 10 A |
| Long Description | S202L-C 10 MiniCircuitBreaker C-Char.,4,5kA,10A,2P |

Technical

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| Standards | IEC/EN 60898-1 IEC/EN 60947-2 |
| Tripping Characteristic | C |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 400 V acc. to IEC 60947-2 400 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 | 4 kV |

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| Withstand Voltage (U_{imp}) | 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) | 10 A |
| Rated Short-Circuit Capacity | (AC) 4.5 kA (DC) 4.5 kA (400 V AC) 4.5 kA (400 V) 4.5 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (230 V AC) 10 kA (400 V AC) 6 kA (230 V) 10 kA (400 V) 6 kA |
| Rated Conditional Short-Circuit Current (I_{nc}) | (400 V) 6 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (230 V AC) 7.5 kA (400 V AC) 4.5 kA |
| Rated Frequency (f) | 50 / 60 Hz |
| Power Loss | 4.2 W at Rated Operating Conditions per Pole 2.1 W |
| Power Supply Connection | Arbitrary |
| Contact Position Indication | ON / OFF |
| Energy Limiting Class | 3 |
| Electrical Endurance | 20000 AC cycle |
| Mechanical Endurance | 20000 cycle |
| Number of Protected Poles | 2 |
| Number of Poles | 2 |
| Overvoltage Category | III |
| Tightening Torque | 2.8 N·m |
| Actuator Type | Toggle |
| Mounting Type | DIN-Rail |
| Screw Terminal Type | Failsafe Bi-directional Cylinder-lift Terminal |
| Actuator Marking | I / O |
| Actuator Material | Insulation Group II, Black, Sealable |
| Housing Material | Insulation Group I, 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 | Yes |
| Connecting Capacity | Busbar 10 / 10 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 |
| Wire Stripping Length | 12.5 mm |
| Terminal Type | Screw Terminals |

Material Compliance

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| RoHS Information | 2CDK400003K0203 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

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|---|---|
| RoHS Date | 20161001 |
| REACH Declaration | 9AKK107492A1906 |
| REACH Information | True - contains substances > 0.1 mass percentage |
| REACH Date | 20240821 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| SCIP | e6800e55-46b1-49a3-881b-0f66d0e903ad Germany (DE) |

Environmental

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| Ambient Air Temperature | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Reference Ambient Air Temperature | 30 °C |
| Degree of Protection | IP20 IP40 Enclosure with Cover IP40 |
| Pollution Degree | 3 |
| Environmental Conditions | 28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 % |
| Resistance to Vibrations | 20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g 2 shocks 13 ms |
| Environmental Information | 2CDK400030D0201 |

Technical UL/CSA

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| Connecting Capacity UL/CSA | Busbar 18-8 AWG Conductor 18-4 AWG |
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Dimensions

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| Width in Number of Modular Spacings | 2.0 |
| Product Net Width | 35 mm |
| Product Net Height | 88 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Weight | 0.25 kg |
| Pole Net Weight | 0.125 kg |
| Built-In Depth (t ₂) | 69 mm |
| Dimension Diagram | 2CDC022007F0010 |

Ordering

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| Package Level 1 Units | carton 5 piece |
| Package Level 1 Gross Weight | 1.3 kg |

Certificates and Declarations

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| Declaration of Conformity - CE | 2CDK403001D0607 |
| I ² t Characteristic | 9AKK107992A5102 |
| Certification Agency | EN IEC |

Installation

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| Instructions and Manuals | 2CDS207104P0002 |
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Popular Downloads

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|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107046A0423 |
| I ² t Characteristic | 9AKK107992A5102 |

Classifications

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| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
| 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

