



PRODUCT-DETAILS

SU201MR-K50

Miniature Circuit Breaker - SU200MR - 1P - 50 A - K - (230 V AC) 10 kA



General Information

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| Extended Product Type | SU201MR-K50 |
| Product ID | 2CDS271347R0577 |
| EAN | 4016779956635 |
| Catalog Description | Miniature Circuit Breaker - SU200MR - 1P - 50 A - K - (230 V AC) 10 kA |
| Long Description | SU201MR-K50 MCB K-Char., 10kA, 50A, 1P, RTT UL 489, Ring Cable Lug |

ABB EcoSolutions

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|---|---|
| ABB EcoSolutions | Yes |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 62 % |
| ABB Site Meeting Group Waste To Landfill Target | No non-hazardous waste is sent to a landfill |
| Extended Product Lifetime | Product Durability |
| End Of Life Disassembling Instructions | 9AKK108471A4773 |
| Environmental Product | 9AKK108470A9950 |

Declaration - EPD

Technical

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| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (230 V AC) 15 kA (400 V AC) 10 kA (400 V) 15 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (230 V AC) 10 kA |
| Energy Limiting Class | 3 |
| Number of Protected Poles | 1 |
| Number of Poles | 1P |
| Actuator Type | Toggle |
| Screw Terminal Type | Ring-Tongue Terminal with Captive Screw |
| Options Provided | Ring tongue |
| Recommended Screw Driver | Pozidriv 2 |
| Accessories Available | Yes |
| Connecting Capacity | Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ² |
| Terminal Type | Ring-Tongue Terminals |

Electrical

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| Tripping Characteristic | K |
| Rated Operational Voltage | acc. to IEC 60898-1 230 V AC acc. to IEC 60947-2 230 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 |
| Input Voltage Type | AC |
| Rated Current (I_n) | 50 A |
| Rated Short-Circuit Capacity | (230 V AC) 10 kA (400 V AC) 10 kA |
| Rated Conditional Short-Circuit Current (I_{nc}) | (230 V) 10 kA (400 V) 10 kA |
| Rated Frequency (f) | 50 / 60 Hz |
| Power Loss | 4.5 W at Rated Operating Conditions per Pole 4.5 W |
| Overvoltage Category | III |

Technical UL/CSA

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|-----------------------------------|-------------------------------------|
| Interrupting Rating acc. to UL489 | (240 V AC) 10 kA (48 V DC) 10 kA |
|-----------------------------------|-------------------------------------|

Material Compliance

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| RoHS Declaration | 9AKK108472A0372 |
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| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20251203 |
| REACH Declaration | 9AKK107492A1906 |
| REACH Information | False - does not contain substances > 0.1 mass percentage |
| REACH Date | 20251029 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| Toxic Substances Control Act - TSCA | 9AKK108468A8104 |
| SCIP | 5fbd6de0-0144-4192-a99e-8054c36efacd Germany |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |

Environmental

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|---------------------------|--------------------------|
| Ambient Air Temperature | Operation -25 ... +55 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |
| Environmental Information | 9AKK107680A9140 |

Dimensions

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|-------------------------------------|---------|
| Width in Number of Modular Spacings | 1.0 |
| Product Net Width | 17.5 mm |
| Product Net Height | 115 mm |
| Product Net Depth / Length | 71 mm |
| Product Net Weight | 0.13 kg |
| Built-In Depth (t ₂) | 69 mm |

Ordering

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|------------------------------|-----------------|
| Package Level 1 Units | carton 10 piece |
| Package Level 1 Gross Weight | 1.34 kg |

Certificates and Declarations

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|----------------------------------|-----------------|
| CSA Certificate | 2CDZ405000A0575 |
| Declaration of Conformity - CE | 2CDK400616D2703 |
| Declaration of Conformity - UKCA | 9AKK108467A5203 |
| UL Certificate | 2CDZ405000A0085 |

Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 2CDC002184D0202 |
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Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CDC002184D0202 |
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External Classifications and Standards

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|------------------------------------|--|
| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 10 | EC000042 - Miniature circuit breaker (MCB) |
| UNSPSC | 39121603 |
| eClass | V11.0 : 27141901 |
| IDEA Granular Category Code (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model |
| Standards | CSA 22.2 No. 5 IEC/EN 60947-2 UL 489 |
| Certification Agency | CSA EN IEC UL |
| Standardization Body | CSA EN IEC UL |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|---------------------------------------|-----------|----------|-----------------|
| 2CCA880100R0001 | CMS-100PS Sensor | CMS-100PS | 1 | piece |
| 2CCA880101R0001 | CMS-101PS Sensor | CMS-101PS | 1 | piece |
| 2CCA880102R0001 | CMS-102PS Sensor | CMS-102PS | 1 | piece |
| 2CDS200914R0001 | S2C-H6RU Auxiliary Contact 1CO, UL489 | S2C-H6RU | 1 | piece |
| 2CDS200924R0001 | S2C-S6RU Signal Contact UL489 | S2C-S6RU | 1 | piece |
| 2CDS200908R0001 | S2C-A1U Shunt Trip, 12...110V, UL489 | S2C-A1U | 1 | piece |
| 2CDS200908R0002 | S2C-A2U Shunt Trip, 110...415V, UL489 | S2C-A2U | 1 | piece |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → SU200MR

