



 PRODUCT-DETAILS

DS202CR M C20 AC300

DS202CR M C20 AC300 Residual Current Circuit Breaker with Overcurrent Protection



General Information

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|-----------------------|---|
| Extended Product Type | DS202CR M C20 AC300 |
| Product ID | 2CSR772040R3204 |
| EAN | 4022903034094 |
| Catalog Description | DS202CR M C20 AC300 Residual Current Circuit Breaker with Overcurrent Protection |
| Long Description | The DS202CR series RCBO is a 2P in two-modules device for the protection of end user single-phase circuits against overload and short-circuit currents. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents. Protection against indirect contacts and additional protection against direct contacts. |

Eco Transparency

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|---|-----------------|
| Environmental Product Declaration - EPD | 9AKK108467A5738 |
|---|-----------------|

Technical

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|-----------|------------------------------------|
| Standards | IEC/EN 61009-1 IEC/EN 61009-2-1 |
|-----------|------------------------------------|

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| Tripping Characteristic | C |
| Type of Residual Current | Type AC |
| Rated Operational Voltage | acc. to IEC 60898-1 230 V |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 440 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV |
| Input Voltage Type | AC |
| Rated Current (I _n) | 20 A |
| Rated Residual Current | 300 mA |
| Rated Short-Circuit Capacity | 10 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}) | 10 kA |
| Rated Service Short-Circuit Breaking Capacity (I _{cs}) | 7.5 kA |
| Maximum Surge Current | 0.25 kA |
| Leakage Current Type | AC |
| Frequency (f) | 50 Hz |
| Rated Frequency (f) | 50 Hz |
| Power Loss | 5.04 W |
| Power Supply Connection | Arbitrary |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 operations |
| Mechanical Endurance | 20000 operations |
| Number of Protected Poles | 2 |
| Number of Poles | 2 |
| Fault Indication | Blue flag on window |
| Operating Characteristic | Instantaneous |
| Overvoltage Category | III |
| Position of Neutral Terminals | Right Left |
| Tightening Torque | 4 N·m |
| Accessory Type | Auxiliary contact Signal contact / auxiliary contact |
| Earthing Switch Type | Undelayed |
| Mounting Type | DIN-Rail |
| Mounting Position | Any |
| Accessories Available | Yes |
| Number of Batteries | 0 |
| Cable Size | 35 mm ² |
| Connecting Capacity | Busbar 10...10 mm ² Flexible 1...25 mm ² Rigid Solid 1...35 mm ² |
| Rated Cross-Section | 1 - Solid-Core 1 ... 35 mm ² 4 - Multi-Wired 1 ... 25 mm ² |
| Wire Stripping Length | 11 mm |

Material Compliance

RoHS Information

9AKK108466A5162

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|---|--|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20220211 |
| REACH Declaration | 9AKK108466A9708 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Environmental

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|--------------------------|--|
| Ambient Air Temperature | Operation -5 ... 55 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |
| Environmental Conditions | 28 cycle with 55 °C / 90-96 % and 25 °C / 95-100 % |

Dimensions

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| Width in Number of Modular Spacings | 2 |
| Product Net Width | 36 mm |
| Product Net Height | 86 mm |
| Product Net Depth / Length | 72 mm |
| Product Net Weight | 0.220 kg |
| Built-In Depth (t ₂) | 72 mm |

Ordering

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|------------------------------|-------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.245 kg |

Certificates and Declarations

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|--------------------------------|-----------------|
| ABS Certificate | 9AKK108467A7630 |
| Declaration of Conformity - CE | 9AKK108466A5162 |
| IMQ Certificate | 9AKK108467A6462 |

Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 9AKK108466A5165 |
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Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK108467A1864 |
|-----------------------------------|-----------------|

Classifications

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|----------------------------|--|
| ETIM 8 | EC000905 - Earth leakage circuit breaker |
| ETIM 9 | EC000905 - Earth leakage circuit breaker |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Consumer |
| CN8 | 85363030 |
| eClass | V11.0 : 27142207 |
| Object Classification Code | F |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|--|-----------------|----------|-----------------|
| 2CDS200931R0001 | G2C-H6-L+R Signal / Auxiliary Contact | G2C-H6-L+R | 1 | piece |
| 2CDS200932R0001 | G2C-S/H6-L+R Signal / Auxiliary Contact | G2C-S/H6-L+R | 1 | piece |
| 2CDS200932R0011 | G2C-S/H6-L+R-KL Signal / Auxiliary Contact | G2C-S/H6-L+R-KL | 1 | piece |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Circuit Breakers with Overcurrent Protection RCBO

