

PRODUCT-DETAILS

DSN201E C20 A30

DSN201E C20 A30 Residual Current Circuit Breaker with Overcurrent Protection



General Information

| | |
|-----------------------|--|
| Extended Product Type | DSN201E C20 A30 |
| Product ID | 2CDB352501R1204 |
| EAN | 4022903005223 |
| Catalog Description | DSN201E C20 A30 Residual Current Circuit Breaker with Overcurrent Protection |
| Long Description | The DSN201E series is a 1P+N electronic RCBO in one-module width for the protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). The neutral is switched |

Technical

| | |
|---|---|
| Standards | IEC/EN 61009-1 IEC 61009-2-2 AS/NZS 61009.1 |
| Tripping Characteristic | C |
| Type of Residual Current | A type |
| Rated Operational Voltage | 230/240 V AC |
| Rated Insulation Voltage (U _i) | 500 V |
| Test Voltage (U _t) | 160 ... 264 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV |
| Dielectric Test Voltage | 2.5 kV |

| | |
|--|--|
| Input Voltage Type | AC |
| Rated Current (I_n) | 20 A |
| Rated Residual Current | 30 mA |
| Rated Short-Circuit Capacity | 6 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | 6 kA |
| Rated Residual Breaking Capacity ($I_{\Delta m}$) | 3 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | 6 kA |
| Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs}) | 6 kA |
| Maximum Surge Current | 2.5 kA |
| Leakage Current Type | A |
| Frequency (f) | 50/60 Hz |
| Rated Frequency (f) | 50/60 Hz |
| Power Loss | 3 W |
| Power Supply Connection | Arbitrary |
| Contact Position Indication | Red ON / Green OFF |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 cycle |
| Mechanical Endurance | 20000 cycle |
| Number of Poles | 2 |
| Number of Protected Poles | 1 |
| Number of Modular Spacings per DIN Rail | 1 |
| Operating Characteristic | Instantaneous |
| Overvoltage Category | III |
| Position of Neutral Terminals | Left |
| Accessory Type | Auxiliary contact Signal contact |
| Actuator Type | Toggle - Insulation group II |
| Earthing Switch Type | Undelayed |
| Housing Type | Insulation group I |
| Mounting Type | on DIN rail EN 60715 (35 mm) by means of mounting clip |
| Screw Terminal Type | Cage Terminal |
| Mounting Position | Vertical & Horizontal |
| Accessories Available | Yes |
| Number of Batteries | 0 |
| Connecting Capacity | Busbar 10 mm ² Rigid 1 ...25 mm ² Flexible 1 ...16 mm ² |
| Rated Cross-Section | 1 - Solid-Core 16 ... 25 mm ² 4 - Multi-Wired 16 ... 16 mm ² |
| Wire Stripping Length | 13 mm |
| Terminal Type | Screw Terminals |

Environmental

| | |
|---|--|
| Ambient Air Temperature | Operation -25 ... 55 °C Storage -25 ... 70 °C |
| Reference Ambient Air Temperature | 30 °C |
| Degree of Protection | Terminals IP20 Housing IP40 |
| Pollution Degree | 2 |
| Environmental Conditions | 28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 % |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 0.15mm or 1.5g - 30 cycles at 0...80 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 40g / 18 shocks / 5 ms |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Information | 9AKK108468A2444 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Technical UL/CSA

| | |
|--|--------|
| Short-Circuit Current Rating (SCCR) | 0.03 A |
|--|--------|

Dimensions

| | |
|--|----------|
| Width in Number of Modular Spacings | 1 |
| Product Net Width | 17.8 mm |
| Product Net Height | 86 mm |
| Product Net Depth / Length | 70 mm |
| Product Net Weight | 0.113 kg |
| Built-In Depth (t ₂) | 70 mm |

Ordering

| | |
|---------------------------------|-------------|
| Minimum Order Quantity | 1 piece |
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.125 kg |
| Customs Tariff Number | 85363030 |
| Country of Origin | China (CN) |

Certificates and Declarations

| | |
|-------------------------------------|---------------------|
| Certification Agency | AS/NZS IEC EN |
| Declaration of Conformity - CE | 9AKK108468A2444 |
| Declaration of Conformity - UKCA | 9AKK108468A2445 |
| KEMA Certificate | 9AKK107991A0853 |

Popular Downloads

| | |
|---|------------------------------------|
| Data Sheet, Technical Information | 9AKK108467A6853 |
| Instructions and Manuals | 9AKK107680A6346 |
| Mechanical Drawings | 9AKK107680A6343 9AKK107680A6344 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Classifications

| | |
|----------------------------|--|
| ETIM 8 | EC000905 - Earth leakage circuit breaker |
| ETIM 9 | EC000905 - Earth leakage circuit breaker |
| EPLAN Catalog Tree | Electrical engineering / Protection devices / Ground fault current circuit breaker |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Consumer |
| CN8 | 85363030 |
| UNSPSC | 39121614 |
| eClass | V11.0 : 27142207 |
| Object Classification Code | F |

Categories

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

