



PRODUCT-DETAILS

DSE201 M C32 A30 - N Blue

Residual Current Circuit Breaker with Overcurrent Protection DSE201 M - 1P+N - 30 mA - 32 A - C - Type A



| General Information | |
|-----------------------|---|
| Extended Product Type | DSE201 M C32 A30 - N Blue |
| Product ID | 2CSR275151R1324 |
| EAN | 8012542376033 |
| Catalog Description | Residual Current Circuit Breaker with Overcurrent Protection DSE201 M - 1P+N - 30 mA - 32 A - C - Type A |
| Long Description | 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). Presence of neutral (blue or black) and functional earth (white) flying leads. The neutral is unswitched |

| ABB EcoSolutions | |
|---|---|
| ABB EcoSolutions | Yes |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 83.2 % |
| ABB Site Meeting Group Waste To Landfill Target | No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available |
| Sustainable Material | Recycled Cardboard - 96.89 % |

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| Content in Packaging (wt. %) | |
| Extended Product Lifetime | Product Durability |
| End Of Life Disassembling Instructions | 9AKK108470A4699 |
| Environmental Product Declaration - EPD | 9AKK108470A7841 |

Technical

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| Type of Residual Current | Type A |
| Maximum Operating Voltage | 264 V |
| Test Voltage (Ut) | 195 ... 264 V |
| Dielectric Test Voltage | 2 kV |
| Rated Ultimate Short- Circuit Breaking Capacity (I _{cu}) | 15 kA |
| Rated Residual Breaking Capacity (I _{Δm}) | 10 kA |
| Rated Service Short- Circuit Breaking Capacity (I _{cs}) | 7.5 kA |
| Rated Service Short- Circuit Breaking Capacity, in % of I _{cu} (I _{cs}) | 7.5 kA |
| Maximum Surge Current | 0.25 kA |
| Power Supply Connection | Bottom |
| Contact Position Indication | Red ON / Green OFF |
| Energy Limiting Class | 3 |
| Electrical Endurance | 10000 cycle |
| Mechanical Endurance | 20000 cycle |
| Number of Protected Poles | 1 |
| Number of Poles | 1P+N |
| Number of Modular Spacings per DIN Rail | 1 |
| Fault Indication | Blue Window |
| Operating Characteristic | Instantaneous |
| Position of Neutral Terminals | Right |
| Tightening Torque | Top 1.2 N·m Bottom 2.8 N·m |
| Accessory Type | Auxiliary contact Auxiliary/Signal contact Shunt trip Undervoltage release Overvoltage release Bottom fitting auxiliary contact |
| Actuator Type | Toggle - Insulation group II, black, sealable in ON-OFF positions |
| Earthing Switch Type | Undelayed |
| Housing Type | Insulation group II, RAL 7035 |
| Screw Terminal Type | Failsafe Bi-directional Cylinder-lift Terminal |
| Options Provided | None |
| Accessories Available | Yes |

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| Connecting Capacity | Busbar 10 mm ² Rigid 1...35 mm ² Flexible 1...16 mm ² |
| Rated Cross-Section | 1 - Solid-Core 1...35 mm ² 4 - Multi-Wired 1... 25 mm ² |
| Wire Stripping Length | Top 11 mm Bottom 12.5 mm |
| Terminal Type | Screw Terminals |

Electrical

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| Short-Circuit Current Rating (SCCR) | 0.03 A |
| Tripping Characteristic | C |
| Rated Operational Voltage | acc. to IEC 60898-1 240 V |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 500 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV |
| Input Voltage Type | AC |
| Rated Current (I _n) | 32 A |
| Rated Residual Current | 30 mA |
| Rated Short-Circuit Capacity | 10 kA |
| Rated Conditional Short-Circuit Current (I _{nc}) | 10 kA |
| Rated Frequency (f) | 50 ... 60 Hz |
| Power Loss | Total 4.4 W |
| Overtoltage Category | III |

Material Compliance

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| RoHS Declaration | 9AKK106930A1510 |
| RoHS Information | Following EU Directive 2011/65/EU |
| RoHS Date | 20160829 |
| REACH Declaration | 9AKK108467A9482 |
| REACH Information | True - contains substances > 0.1 mass percentage |
| REACH Date | 20240429 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Consumer |

Environmental

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|-----------------------------------|-------------------------|
| Ambient Air Temperature | Operation -25 ... 55 °C |
| Reference Ambient Air Temperature | 30 °C |
| Degree of Protection | IP20 IP40 |
| Pollution Degree | 2 |
| Environmental | 28 cycles |

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| Conditions | with 55 °C / 90-96 % and 25 °C / 95-100 % |
| Resistance to Vibrations | 20 Cycles with Load 0.8 In: 5g or 0.35mm 5 ... 150 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 30g / 2 shocks / 13 ms |

Dimensions

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| Width in Number of Modular Spacings | 1 |
| Product Net Width | 18 mm |
| Product Net Height | 115 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Weight | 200 g |
| Built-In Depth (t ₂) | 68.9 mm |

Ordering

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| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.220 kg |

Certificates and Declarations

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| Declaration of Conformity - CE | 9AKK106930A0955 |
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Installation

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| Instructions and Manuals | 9AKK106930A0912 |
| Mounting Type | DIN-Rail |
| Mounting Position | Any |

Popular Downloads

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|--------------------------------------|------------------------------------|
| Data Sheet, Technical Information | 9AKK106930A0939 |
| Mechanical Drawings | 9AKK106930A0965 9AKK106930A0964 |

External Classifications and Standards

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|-------------------------------|---|
| ETIM 9 | EC000905 - Earth leakage circuit breaker |
| ETIM 10 | EC000905 - Earth leakage circuit breaker |
| eClass | V11.0 : 27142207 |
| Object Classification Code | F |
| Standards | IEC 61009-1 IEC 61009-2-2 AS/NZS 61009.1 BS EN 61009-1 |

Categories

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

