



 PRODUCT-DETAILS

DSE201 B20 A30 - N Blue

Residual Current Circuit Breaker with
Overcurrent Protection DSE201 - 1P+N - 30 mA
- 20 A - B - Type A



General Information

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| Extended Product Type: | DSE201 B20 A30 - N Blue |
| Product ID: | 2CSR255151R1205 |
| EAN: | 8012542658429 |
| Catalog Description: | Residual Current Circuit Breaker with Overcurrent Protection DSE201 - 1P+N - 30 mA - 20 A - B - 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 |
| Display Name: | DSE201 B20 A30 - N Blue |

ABB EcoSolutions

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| ABB EcoSolutions: | Yes |
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| Recyclability Rate of the Product acc. to EN45555: | Design for Closing Resource Loops - Standard EN45555 - 80.56 % |
| 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 Content in Packaging (wt. %): | Recycled Cardboard - 98 % |
| Extended Product Lifetime: | Product Durability |
| End Of Life Disassembling Instructions: | 9AKK108470A4697 |
| Environmental Product Declaration - EPD: | 9AKK108470A7843 |

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 Residual Breaking Capacity (IΔm): | 6 kA |
| Rated Service Short-Circuit Breaking Capacity, in % of Icu (I$_{cs}$): | 6 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 |
| Operating Characteristic: | Instantaneous |
| Position of Neutral Terminals: | Right |
| Tightening Torque: | Top 1.2 N·m Bottom 2.8 N·m |
| Actuator Type: | Toggle |
| 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: | No |
| Connecting Capacity: | Busbar 10 mm ² Rigid 1...25 mm ² Flexible 1...16 mm ² |
| Rated Cross-Section: | 1 - Solid-Core 1...25 mm ² 4 - Multi-Wired 1 ... 16 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: | B |
| 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): | 20 A |
| Rated Residual Current: | 30 mA |
| Rated Short-Circuit Capacity: | 6 kA |
| Rated Conditional Short-Circuit Current (I _{nc}): | 6 kA |
| Rated Frequency (f): | 50 ... 60 Hz |
| Power Loss: | Total 5.5 W |
| Overvoltage Category: | III |

Material Compliance

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| RoHS Declaration: | 2CSC422006K2701 |
| RoHS Information: | Following EU Directive 2011/65/EU |
| RoHS Date: | 20140630 |
| 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 Conditions: | 28 cycles 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 60068-2-30g / 2 shocks / 13 ms
27:

Environmental Information: refer to RoHS information

Dimensions

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| Width in Number of Modular Spacings: | 1 |
| Product Net Width: | 18 mm |
| Product Net Height: | 100 mm |
| Product Net Depth / Length: | 69 mm |
| Product Net Weight: | 180 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: | 0.200 kg |
| Replacement Product ID (NEW): | 2CSR255160R1205 |

Certificates and Declarations

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| Declaration of Conformity - CE: | 9AKK106713A5595 |
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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: | 9AKK106930A0940 |
| Mechanical Drawings: | 9AKK106930A2028 9AKK106930A2026 |

External Classifications and Standards

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| ETIM 9: | EC000905 - Earth leakage circuit breaker |
| ETIM 10: | EC000905 - Earth leakage circuit breaker |
| UNSPSC: | 39121601 |
| eClass: | V11.0 : 27142207 |
| IDEA Granular Category Code (IGCC): | 4876 >> Residual current circuit breaker (RCCB) module |

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| Object Classification Code: | F |
| Standards: | IEC 61009-1 IEC 61009-2-2 AS/NZS 61009.1 |

Categories

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

