

PRODUCT-DETAILS

DS201 B10 A300

DS201 B10 A300 - RCBO



General Information

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| Extended Product Type | DS201 B10 A300 |
| Product ID | 2CSR255180R3105 |
| EAN | 8012542643616 |
| Catalog Description | DS201 B10 A300 - RCBO |
| Long Description | The DS201 series is a 1P+N RCBO in two-modules width 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 (with sensitivity = 30 mA). |

Technical

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| Standards | IEC/EN 61009-1, IEC/EN 61009-2-1 |
| Operating Characteristic | Instantaneous |
| Type of Residual Current | A type |
| Number of Poles | 2 |
| Number of Protected Poles | 1 |
| Rated Current (I_n) | 10 A |
| Rated Current Sensitivity | 0.3 A |
| Rated Voltage (U_r) | 230 V |
| Rated Insulation Voltage | 500 V |

(U_I)

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| Overvoltage Category | III |
| Pollution Degree | 2 |
| Test Voltage (U _t) | 110 ... 264 V |
| Rated Frequency (f) | 50/60 Hz |
| Rated Short-Circuit Capacity (I _{cn}) | 6 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}) | 10 kA |
| Rated Service Short-Circuit Breaking Capacity (I _{cs}) | 7.5 kA |
| Rated Residual Breaking Capacity (I _{Δm}) | EN 61009-1 6000 A IEC 61009-1 6000 A |
| Primary Rated Impulse Withstand Voltage | 4 kV |
| Dielectric Test Voltage | 2.5 kV |
| Tripping Characteristic | B |
| Energy Limiting Class | 3 |
| Housing Type | Insulation group I - II, RAL 7035 |
| Actuator Type | Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions |
| Contact Position Indication | Red ON / Green OFF |
| Fault Indication | Blue flag on toggle |
| Electrical Endurance | 10000 cycle 20000 cycle |
| Degree of Protection | Terminals IP20 Housing IP40 |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g / 2 shocks / 13 ms |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 0.1 mm or 1 g - 20 cycles at 5...150...5 Hz |
| Environmental Conditions | 28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 % |
| Reference Ambient Air Temperature | 30 °C |
| Terminal Type | Screw Terminals |
| Screw Terminal Type | Failsafe Bi-directional Cylinder-lift Terminal |
| Cable Size | 25 mm ² |
| Connecting Capacity | Busbar 10/10 mm ² Stranded 0.75 ... 25 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² |
| Tightening Torque | 2.8 N·m |
| Wire Stripping Length | 12 mm |
| Mounting Type | on DIN rail EN 60715 (35mm) by means of mounting clip |
| Mounting Position | Any |
| Power Supply Connection | Arbitrary |
| Position of Neutral Terminals | Right |
| Power Loss | 1.8 W |

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| Number of Modular Spacings per DIN Rail | 2 |
| Accessory Type | Auxiliary contact Signal contact / auxiliary contact Shunt trip Auxiliary contact for bottom fitting Undervoltage release Overvoltage release Motor operating device |

Environmental

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| Ambient Air Temperature | Operation -25...55 °C |
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Technical UL/CSA

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| Short-Circuit Current Rating (SCCR) | 0.3 A |
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Dimensions

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| Product Net Width | 0.035 m |
| Product Net Height | 0.085 m |
| Product Net Depth / Length | 0.069 m |
| Product Net Weight | 0.200 kg |

Container Information

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| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 40 mm |
| Package Level 1 Height | 106 mm |
| Package Level 1 Depth / Length | 80 mm |
| Package Level 1 Gross Weight | 225 g |
| Package Level 1 EAN | 8012542643616 |
| Package Level 2 Units | 5 piece |
| Package Level 2 Width | 200 mm |
| Package Level 2 Height | 106 mm |
| Package Level 2 Depth / Length | 80 mm |
| Package Level 2 Gross Weight | 1125 g |
| Package Level 2 EAN | 8012542562115 |

Ordering

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| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85363010 |
| E-Number (Sweden) | 2100397 |

E-Number (Finland)

3211165

Certificates and Declarations (Document Number)

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|-----------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK106713A5588 |
| Environmental Information | 2CSC422002K2701 |
| Instructions and Manuals | 9AKK107492A6006 |
| RoHS Information | 2CSC422002K2701 |

Popular Downloads

| | |
|--------------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107492A6187 |
| Instructions and Manuals | 9AKK107492A6006 |

Classifications

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| Object Classification Code | Q |
| ETIM 6 | EC000905 - Earth leakage circuit breaker |
| ETIM 7 | EC000905 - Earth leakage circuit breaker |

Categories

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

