PRODUCT-DETAILS

# DS201 M B40 A300

# DS201 M B40 A300 - RCBO

## General Information

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|---|---|
| Extended Product Type | DS201 M B40 A300 |
| Product ID | 2CSR275180R3405 |
| EAN | 8012542563419 |
| Catalog Description | DS201 M B40 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 ($I_n$) | 40 A |
| Rated Current Sensitivity | 0.3 A |
| Rated Voltage ($U_r$) | 230 V |
| Rated Insulation Voltage | 500 V |

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| ($U_i$) | |
| Overvoltage Category | III |
| Pollution Degree | 2 |
| Test Voltage (Ut) | 110 … 264 V |
| Rated Frequency (f) | 50/60 Hz |
| Rated Short-Circuit Capacity ($I_{cn}$) | 10 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | 15 kA |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | 11.2 kA |
| Rated Residual Breaking Capacity (IΔm) | EN 61009-1 6000 A<br>IEC 61009-1 4500 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<br>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<br>with 55 °C / 90-96 %<br>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 mm² |
| Connecting Capacity | Busbar 10/10 mm²<br>Stranded 0.75 … 25 mm²<br>Flexible with Ferrule 0.75 … 16 mm²<br>Flexible 0.75 … 16 mm² |
| 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 | 5.0 W |

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

## Environmental

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| Ambient Air Temperature | Operation -25...55 °C |

## Technical UL/CSA

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

## 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 | 8012542563419 |
| 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 | 8012542032717 |

## Ordering

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|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85363030 |
| E-Number (Sweden) | 2100614 |

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| E-Number (Finland) | 3211227 |

## 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

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|---|---|
| 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