



PRODUCT-DETAILS

S751DR-E50

S751DR-E50 Selective Main Circuit Breaker



| General Information | |
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| Extended Product Type | S751DR-E50 |
| Product ID | 2CDH781010R0502 |
| EAN | 4016779879026 |
| Catalog Description | S751DR-E50 Selective Main Circuit Breaker |
| Long Description | Selective main circuit-breakers of the S 750 DR series are SMCBs based on DIN VDE 0641-21 with voltage-independent operating principle. This means that they do not rely on a control circuit to make or break contact (SHU) and are therefore particularly suitable for use in energy distributionsystems with maximum availability requirements. They offer total selectivity to downstream MCBs and outstanding selectivity to upstream protective devices <u>due to unique current limiting selectivity.</u> |

| Technical | |
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| Standards | IEC/EN 60947-2 |
| Tripping Characteristic | E (Selective) |
| Suitable for Isolation | Yes |
| Rated Operational Voltage | 230 V AC acc. to IEC 60947-2 230 V AC |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 690 V |
| Rated Impulse Withstand | 6 kV |

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| Voltage (U _{imp}) | at 2000 m 8 kV at Sea Level 9.8 kV |
| Dielectric Test Voltage | 50/60 Hz, 1 min: 2 kV |
| Rated Current (I _n) | 50 A |
| Rated Short-Circuit Capacity | (230 V AC) 25 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I _{cu}) | (230 V AC) 25 kA |
| Rated Service Short-Circuit Breaking Capacity (I _{cs}) | (230 V AC) 12.5 kA |
| Rated Frequency (f) | 50 / 60 Hz |
| Power Loss | at Rated Operating Conditions per Pole 7.6 W |
| Power Supply Connection | Arbitrary |
| Contact Position Indication | Red ON / Green OFF |
| Number of Poles | 1 |
| Overvoltage Category | IV |
| Tightening Torque | 2.5 ... 3 N·m |
| Mounting Type | DIN-Rail |
| Screw Terminal Type | Cable Clamp |
| Actuator Marking | I / O |
| Mounting on DIN Rail | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Mounting Position | any |
| Recommended Screw Driver | Cross Recess Pozidriv 2 Slotted 1 x 5.5 |
| Accessories Available | Yes |
| Connecting Capacity | Flexible with Ferrule 2.5 ... 50 mm² Flexible 2.5 ... 50 mm² Rigid 2.5 ... 50 mm² Stranded 2.5 ... 50 mm² |
| Installation Size | acc. to DIN 43880 3 |
| Terminal Type | Screw Terminals |

Material Compliance

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| RoHS Information | 2CDK400642D0201 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20160607 |
| REACH Declaration | 9AKK108468A9644 |
| REACH Information | False - does not contains substances > 0.1 mass percentage |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Environmental

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| Ambient Air Temperature | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Degree of Protection | IP20 Enclosure with Cover IP40 |
| Pollution Degree | 3 |
| Environmental Conditions | 28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 % |
| Resistance to Vibrations | 20 Cycles with Load 0.8 In: 2g 5 ... 150 ... 5 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 30g 3 shocks 11 ms |

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| Dimensions | |
| Product Net Width | 27 mm |
| Product Net Height | 130 mm |
| Product Net Depth / Length | 92 mm |
| Product Net Weight | 0.35 kg |
| Dimension Diagram | 2CDC022023F0011 |

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| Ordering | |
| Package Level 1 Units | carton 3 piece |
| Package Level 1 Gross Weight | 1.35 kg |
| E-Number (Finland) | 3210657 |

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| Certificates and Declarations | |
| Certification Agency | EN IEC |
| Declaration of Conformity - CE | 2CDK400633D2701 |
| I ² t Characteristic | 9AKK108466A4490 |

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| Installation | |
| Instructions and Manuals | 2CDS707001P0004 |

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| Popular Downloads | |
| Data Sheet, Technical Information | 9AKK107991A5989 |
| Data Sheet, Technical Information (Part 2) | 9AKK108466A4493 |
| I ² t Characteristic | 9AKK108466A4490 |
| Time-Current Characteristic Curve | 9AKK108466A4496 |

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| Classifications | |
| ETIM 8 | EC001047 - Selective main line circuit breaker |
| ETIM 9 | EC001047 - Selective main line circuit breaker |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |
| CN8 | 8536 90 95 |
| UNSPSC | 39121614 |
| eClass | V11.0 : 27141903 |
| Object Classification Code | F |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Selective Main Circuit Breakers SMCBs → Selective Main Circuit Breakers SMCBs → S750DR

