



PRODUCT-DETAILS

OTDC25F2

OTDC25F2 DC Switch-disconnector



| General Information | |
|-----------------------|---|
| Extended Product Type | OTDC25F2 |
| Product ID | 1SCA121455R1001 |
| EAN | 6417019526102 |
| Catalog Description | OTDC25F2 DC Switch-disconnector |
| Long Description | OTDC25F2 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 660 VDC 25 A single circuit, IEC 1000 VDC 16 A single circuit |

| Circular Value | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Environmental Information | NA |
| Group Waste to Landfill Target | UL 2799 Zero Waste To Landfill Validation available |
| REACH Declaration | 1SCC301240D0201 |
| RoHS Information | 1SCC301239D0201 |
| Toxic Substances Control Act - TSCA | 1SCC301321D0201 |

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| Ordering | |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85363030 |
| Country of Origin | Estonia (EE) |

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| Popular Downloads | |
| Data Sheet, Technical Information | 1SCC301022C0201 |
| Instructions and Manuals | 1SCC301079M0206 |
| Mechanical Drawings | OTDC16-32F2.igs 1SCC301970F0001 1SCC301971F0001 |

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| Dimensions | |
| Product Frame Size | XS |
| Product Net Width | 52.5 mm 2.1 in |
| Product Net Height | 89 mm 3.5 in |
| Product Net Depth / Length | 66.2 mm 2.6 in |
| Product Net Weight | 0.1 kg 0.3 lb |

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| Technical | |
| Rated Operational Current DC-21B (I_g) | (660 V) 25 A (1000 V) 16 A |
| Conventional Free-air Thermal Current (I_{th}) | $\Theta = 40\text{ }^{\circ}\text{C}$ 32 A |
| Conventional Thermal Current (I_{the}) | Fully Enclosed 32 A |
| Rated Impulse Withstand Voltage (U_{imp}) | 8 kV |
| Rated Insulation Voltage (U_i) | 1000 V |
| Rated Operational Voltage | 1000 V |
| Rated Short-Circuit Making Capacity (I_{cm}) | (1000 V DC) 0.8 kA |
| Rated Short-time Withstand Current Low Voltage (I_{cw}) | (1000 V DC) 0.8 kA for 1 s 0.8 kA |
| Power Loss | at Rated Operating Conditions per Pole 0.3 W |
| Pollution Degree | 3 |
| Handle Color | Black |
| Handle Type | Knob handle |
| Positive Opening Operation Torque (Direct Opening Action) | 0.4 ... 0.8 N·m |
| Shaft Diameter | 6 mm 0.24 in |
| Switches Operating Mechanism | Mechanism on Top of the Switch |
| Position of Line Terminals | Top In - Bottom Out Bottom In - Top Out |
| Operating Mode | Front Operated |
| Standards | IEC 60947-1, -3 |

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| Special Functions | No |
| Mounting Type | Base mounting, DIN-rail mounting |
| Number of Circuits | 1 |
| Number of Poles | 2 |
| Cable Cross-Section | 2.5 ... 16 mm² |
| Degree of Protection | Front IP20 |
| Terminal Type | Screw Terminals |
| Utilization | Photovoltaic |
| Utilization Category | Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B) |

Environmental

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| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Environmental Information | NA |
| Toxic Substances Control Act - TSCA | 1SCC301321D0201 |

Certificates and Declarations

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|----------------------------------|---------------------|
| CCC Certificate | CQC2012010302579872 |
| Declaration of Conformity - CE | 1SCC301192D2704 |
| Declaration of Conformity - UKCA | 1SCC301313D0201 |
| DNV GL Certificate | 1SCC301231D0201 |
| REACH Declaration | 1SCC301240D0201 |

Container Information

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|--------------------------------|------------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 100 mm 3.9 in |
| Package Level 1 Depth / Length | 64 mm 2.5 in |
| Package Level 1 Height | 100 mm 3.9 in |
| Package Level 1 Gross Weight | 0.2 kg 0.4 lb |
| Package Level 1 EAN | 6417019526102 |

Classifications

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| Object Classification Code | Q |
| ETIM 7 | EC000216 - Switch disconnect |
| ETIM 8 | EC000216 - Switch disconnect |
| ETIM 9 | EC000216 - Switch disconnect (low voltage) |
| eClass | V11.1 : 27371403 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland) | 3601354 |
| E-Number (Sweden) | 3134019 |

Categories

Low Voltage Products and Systems → Switches → DC Switch-Disconnectors

