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 |

## Ordering

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

## Popular Downloads

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

## Dimensions

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

## Technical

| | |
|---|---|
| Rated Operational Current DC-21B ($I_e$) | (660 V) 25 A<br>(1000 V) 16 A |
| Conventional Free-air Thermal Current ($I_{th}$) | q = 40 °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 ($I_{cw}$) | (1000 V DC) 0.8 kA<br>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 |
| Shaft Diameter | 6 mm<br>0.24 in |
| Switches Operating Mechanism | Mechanism on Top of the Switch |
| Position of Line Terminals | Top In - Bottom Out<br>Bottom In - Top Out |
| Operating Mode | Front Operated |
| Standards | IEC 60947-1, -3 |
| 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 |
| Tightening Torque | 1.2 … 1.4 N·m |
| Utilization | Photovoltaic |
| Utilization Category | Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B) |

## Environmental

| | |
|---|---|
| RoHS Status | Following EU Directive 2011/65/EU |
| Environmental Information | NA |

## Certificates and Declarations (Document Number)

| | |
|---|---|
| CCC Certificate | CQC2012010302579872 |
| Declaration of Conformity - CE | 1SCC301192D2704 |
| DNV GL Certificate | 1SCC301231D0201 |
| Environmental Information | NA |
| Instructions and Manuals | 1SCC301079M0206 |
| RoHS Information | 1SCC301192D2704 |

## Container Information

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

## Classifications

| | |
|---|---|
| Object Classification Code | Q |
| ETIM 5 | EC000216 - Switch disconnector |
| ETIM 6 | EC000216 - Switch disconnector |
| ETIM 7 | EC000216 - Switch disconnector |
| ETIM 8 | EC000216 - Switch disconnector |
| 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

