

## 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 /<br>Length | 66.2 mm<br>2.6 in |
| Product Net Weight            | 0.1 kg<br>0.3 lb  |

## Technical

|                                                       |                                                                                               |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Rated Operational Current<br>DC-21B ( $I_e$ )         | (660 V) 25 A<br>(1000 V) 16 A                                                                 |
| Conventional Free-air<br>Thermal Current ( $I_{th}$ ) | 32 A                                                                                          |
| Conventional Thermal<br>Current ( $I_{the}$ )         | Fully Enclosed 32 A                                                                           |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ )      | 8 kV                                                                                          |
| Rated Insulation Voltage<br>( $U_i$ )                 | 1000 V                                                                                        |
| Rated Operational Voltage                             | 1000 V                                                                                        |
| Rated Short-Circuit<br>Making Capacity ( $I_{cm}$ )   | (1000 V DC) 0.8 kA                                                                            |
| Rated Short-time<br>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<br>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 mm <sup>2</sup>                                                                    |
| 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<br>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<br>- CE | 1SCC301192D2704     |
| DNV GL Certificate                | 1SCC301231D0201     |
| Environmental Information         | NA                  |
| Instructions and Manuals          | 1SCC301079M0206     |
| RoHS Information                  | 1SCC301192D2704     |

## Container Information

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

## Classifications

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

