



PRODUCT-DETAILS

# OTDC16F2

## OTDC16F2 DC Switch-disconnector



| General Information   |   |
|-----------------------|---|
| Extended Product Type | OTDC16F2  |
| Product ID            | 1SCA121454R1001   |
| EAN                   | 6417019525990   |
| Catalog Description   | OTDC16F2 DC Switch-disconnector   |
| Long Description      | OTDC16F2 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 660 VDC 16 A single circuit, IEC 1000 VDC 10 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

## Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85363010     |
| 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         | 0.14 kg<br>0.31 lb |

## Technical

|   |   |
|---|---|
| Rated Operational Current DC-21B ( $I_e$ )                  | (660 V) 16 A<br>(1000 V) 10 A                 |
| Conventional Free-air Thermal Current ( $I_{th}$ )          | $\Theta = 40\text{ }^{\circ}\text{C}$ 25 A    |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 25 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<br>for 1 s 0.8 kA          |
| Power Loss  | at Rated Operating Conditions per Pole 0.15 W |
| Pollution Degree  | 3   |
| Handle Color  | Black   |
| Handle Type   | Knob handle                                   |
| Positive Opening Operation Torque (Direct                   | 0.4 ... 0.8 N·m                               |

|                              |  |
|------------------------------|--|
| Opening Action)              |  |
| 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  |
| Utilization                  | Photovoltaic   |
| Utilization Category         | Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B) |

Environmental

|                                     |  |
|-------------------------------------|--|
| 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

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

Container Information

|                                |                    |
|--------------------------------|--------------------|
| 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   | 0.15 kg<br>0.33 lb |
| Package Level 1 EAN            | 6417019525990      |

Classifications

|                            |   |
|----------------------------|---|
| Object Classification Code | Q |
|----------------------------|---|

|                    |  |
|--------------------|--|
| ETIM 7             | EC000216 - Switch disconnecter                             |
| ETIM 8             | EC000216 - Switch disconnecter                             |
| ETIM 9             | EC000216 - Switch disconnecter (low voltage)               |
| eClass             | V11.1 : 27371403   |
| WEEE Category      | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland) | 3601351  |
| E-Number (Sweden)  | 3134016  |

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**Categories**

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

