

PRODUCT-DETAILS

# OTDC25F3

## OTDC25F3 DC Switch-disconnector



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | OTDC25F3   |
| Product ID            | 1SCA121458R1001  |
| EAN                   | 6417019526133  |
| Catalog Description   | OTDC25F3 DC Switch-disconnector  |
| Long Description      | OTDC25F3 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 1000 VDC 25 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 |

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## Dimensions

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|                               |                   |
|-------------------------------|-------------------|
| 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 | 77.6 mm<br>3.1 in |
| Product Net Weight            | 0.2 kg<br>0.4 lb  |

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## Technical

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|   |  |
|---|--|
| Rated Operational Current<br>DC-21B ( $I_g$ )                     | (1000 V) 25 A                                |
| Conventional Free-air<br>Thermal Current ( $I_{th}$ )             | $q = 40$ °C 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 Low<br>Voltage ( $I_{cw}$ ) | (1000 V DC) 0.8 kA<br>for 1 s 0.8 kA         |
| Power Loss  | at Rated Operating Conditions per Pole 0.3 W |
| Pollution Degree  | 3  |
| Handle Color  | Black  |
| Handle Type   | Knob handle                                  |
| Positive Opening<br>Operation Torque (Direct<br>Opening Action)   | 0.4 ... 0.8 N·m                              |
| Shaft Diameter  | 6 mm<br>0.24 in                              |
|   | 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   | 3  |
| 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 actuation (DC-21B) |

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## Environmental

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

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## 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     |

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## 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   | 0.2 kg<br>0.5 lb |
| Package Level 1 EAN            | 6417019526133    |

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## Classifications

|                            |  |
|----------------------------|--|
| Object Classification Code | Q  |
| ETIM 5                     | EC000216 - Switch disconnecter                             |
| ETIM 6                     | EC000216 - Switch disconnecter                             |
| ETIM 7                     | EC000216 - Switch disconnecter                             |
| ETIM 8                     | EC000216 - Switch disconnecter                             |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland)         | 3601355  |
| E-Number (Sweden)          | 3134020  |

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## Categories

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

