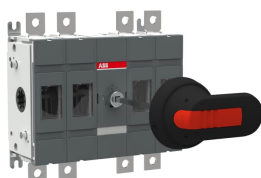


## PRODUCT-DETAILS

# OTDC100E22P

## OTDC100E22P DC Switch-disconnector



### General Information

|                       |                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OTDC100E22P                                                                                                                                                 |
| Product ID            | 1SCA125832R1001                                                                                                                                             |
| EAN                   | 6417019558332                                                                                                                                               |
| Catalog Description   | OTDC100E22P DC Switch-disconnector                                                                                                                          |
| Long Description      | OTDC100E22P DC Switch-disconnector, IP65 protected & padlockable handle, adjustable shaft and terminal bolt kit included, Base mounting, IEC 1000 VDC 100 A |

### Ordering

|                        |                          |
|------------------------|--------------------------|
| Minimum Order Quantity | 1 piece                  |
| Customs Tariff Number  | 85363030                 |
| Last Ordering Date     | 2021-11-30 All Countries |
| Country of Origin      | Finland (FI)             |

### Popular Downloads

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Data Sheet, Technical Information | 1SCC301022C0201                       |
| Instructions and Manuals          | 1SCC301081M0206                       |
| Mechanical Drawings               | OTDC100_200E22.igs<br>1SCC307583F0201 |

|                |                 |
|----------------|-----------------|
|                | 1SCC307584F0201 |
| Wiring Diagram | 1SCC301033K0201 |

## Dimensions

|                               |                    |
|-------------------------------|--------------------|
| Product Frame Size            | S                  |
| Product Net Width             | 185.4 mm<br>7.3 in |
| Product Net Height            | 262 mm<br>10.3 in  |
| Product Net Depth /<br>Length | 90.5 mm<br>3.6 in  |
| Product Net Weight            | 2.4 kg<br>5.4 lb   |

## Technical

|                                                       |                                                       |
|-------------------------------------------------------|-------------------------------------------------------|
| Connection Configuration                              | Double circuit 4a, 4c                                 |
| Rated Operational Current<br>DC-21B ( $I_e$ )         | (1000 V) 100 A                                        |
| Conventional Free-air<br>Thermal Current ( $I_{th}$ ) | 100 A                                                 |
| Conventional Thermal<br>Current ( $I_{the}$ )         | Fully Enclosed 100 A                                  |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ )      | 12 kV                                                 |
| Rated Insulation Voltage<br>( $U_i$ )                 | 1500 V                                                |
| Rated Operational Voltage                             | 1000 V                                                |
| Rated Short-Circuit<br>Making Capacity ( $I_{cm}$ )   | (1000 V DC) 10 kA                                     |
| Rated Short-time<br>Withstand Current ( $I_{cw}$ )    | (1000 V DC) 10 kA<br>for 1 s 5 kA<br>for 0.1 s 10 kA  |
| Power Loss                                            | at Rated Operating Conditions per Pole 2 W            |
| Pollution Degree                                      | 3                                                     |
| Handle Color                                          | Black                                                 |
| Handle Length                                         | 65 mm<br>2.6 in                                       |
| Handle Type                                           | Pistol handle                                         |
| Shaft Diameter                                        | 6 mm<br>0.24 in                                       |
| Shaft Length                                          | 210 mm<br>8.3 in                                      |
| Switches Operating<br>Mechanism                       | Mechanism Between the Poles<br>22 (Between the Poles) |
| 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                                         |

|                      |                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------|
| Number of Circuits   | 2                                                                                          |
| Number of Poles      | 4                                                                                          |
| Degree of Protection | Front IP20                                                                                 |
| Terminal Type        | Lug terminals                                                                              |
| Terminal Width       | 19.5 mm<br>0.77 in                                                                         |
| Tightening Torque    | Cable Lug 15...22 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                   | CQC2013010302611671 |
| Declaration of Conformity<br>- CE | 1SCC301201D2703     |
| DNV GL Certificate                | 1SCC301231D0201     |
| Environmental Information         | NA                  |
| Instructions and Manuals          | 1SCC301081M0206     |
| RoHS Information                  | 1SCC301201D2703     |

## Container Information

|                                   |                   |
|-----------------------------------|-------------------|
| Package Level 1 Units             | box 1 piece       |
| Package Level 1 Width             | 220 mm<br>8.7 in  |
| Package Level 1 Depth /<br>Length | 260 mm<br>10.2 in |
| Package Level 1 Height            | 155 mm<br>6.1 in  |
| Package Level 1 Gross<br>Weight   | 2.8 kg<br>6.2 lb  |
| Package Level 1 EAN               | 6417019558332     |

## 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) |

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## Categories

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

