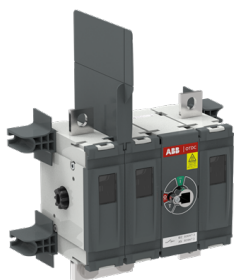




 PRODUCT-DETAILS

OTDC400FV21-WA

OTDC400FV21-WA DC Switch-disconnector



General Information

| | |
|-----------------------|--|
| Extended Product Type | OTDC400FV21-WA |
| Product ID | 1SCA163138R1001 |
| EAN | 6417019930008 |
| Catalog Description | OTDC400FV21-WA DC Switch-disconnector |
| Long Description | <p>Three pole DC switch-disconnector for 2000V utility-scale photovoltaic power plants. 2000Vdc design enables to speed up the installations and reduce the BOS costs.</p> <p>Main characteristics of this particular OTDC type: Disconnect single PV circuit, Approved according to IEC 60947-1, -3</p> |

Material Compliance

| | |
|-------------------------------------|--|
| REACH Declaration | 1SCC301240D0201 |
| RoHS Declaration | 1SCC301239D0201 |
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA | 1SCC301321D0201 |

Popular Downloads

| | |
|-----------------------------------|--|
| Data Sheet, Technical Information | 1SCC301022C0201 |
| Instructions and Manuals | 1SCC301099M0201 9AKK107492A6191 |
| Mechanical Drawings | OTDC400UFV21-WA_stp-file OTDC400UFV21-WA_igs-file 1SCC307926F0201 1SCC307925F0201 |

Environmental

| | |
|----------------------|------------|
| Degree of Protection | Front IP20 |
| Pollution Degree | 3 |

Ordering

| | |
|--------------------------------|----------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85353010 |
| Country or Territory of Origin | Finland |

Dimensions

| | |
|----------------------------|-------------------|
| Product Frame Size | M |
| Product Net Width | 380 mm 15 in |
| Product Net Height | 211 mm 8.3 in |
| Product Net Depth / Length | 137 mm 5.4 in |
| Product Net Weight | 5.7 kg 12.6 lb |

Container Information

| | |
|--------------------------------|-------------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 300 mm 11.8 in |
| Package Level 1 Depth / Length | 400 mm 15.7 in |
| Package Level 1 Height | 190 mm 7.5 in |
| Package Level 1 Gross Weight | 5.9 kg 13 lb |
| Package Level 1 EAN | 6417019930008 |

Technical

| | |
|--|-------------------------------|
| Connection Configuration | 3WA |
| Conventional Free-air Thermal Current (I_{th}) | $\Theta = 40\text{ °C}$ 400 A |
| Conventional Thermal Current (I_{the}) | Fully Enclosed 400 A |

| | |
|---|--|
| Degree of Protection | Front IP20 |
| Handle Type | Handle and shaft not included |
| Mechanical Durability | 4800 cycle |
| Mounting Type | Base mounting |
| Number of Circuits | 1 |
| Number of Poles | 3P |
| Operating Mode | Front |
| Pollution Degree | 3 |
| Position of Line Terminals | Top In - Bottom Out Bottom In - Top Out |
| Power Loss | at Rated Operating Conditions per Pole 12 ... 13 W |
| Rated Impulse Withstand Voltage (U_{imp}) | 12 kV |
| Rated Insulation Voltage (U_i) | 2000 V |
| Rated Operational Current DC-21B (I_e) | (2000 V DC) 400 A |
| Rated Operational Current DC-PV1 | (2000 V DC) 400 A |
| Rated Operational Voltage | 2000 V |
| Rated Short-Circuit Making Capacity (I_{cm}) | (1500 V DC) 10 kA |
| Rated Short-time Withstand Current Low Voltage (I_{cw}) | (1500 V DC) 10 kA for 1 s 10 kA |
| Shaft Diameter | 12 mm 0.47 in |
| Special Functions | No |
| Standards | IEC 60947-1, -3 |
| Switches Operating Mechanism | Mechanism Between the Poles 21 (Between the Poles) |
| Terminal Type | Lug terminals |
| Terminal Width | 30 mm 1.2 in |
| Utilization | Photovoltaic |
| Utilization Category | Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B) Switching of single PV string(s) without reverse and overcurrents (DC-PV1) |

Certificates and Declarations

| | |
|----------------------------------|-----------------|
| Declaration of Conformity - CE | 1SCC301227D2701 |
| Declaration of Conformity - UKCA | 1SCC301313D0201 |

External Classifications and Standards

| | |
|----------------------------|--|
| Object Classification Code | Q |
| ETIM 9 | EC000216 - Switch disconnecter (low voltage) |
| ETIM 10 | EC004963 - Switch disconnecter (DC) |
| eClass | V14.0 : 27371403 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

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

