

PRODUCT-DETAILS

OTDC32F2

OTDC32F2 DC Switch-disconnector



General Information

| | |
|-----------------------|---|
| Extended Product Type | OTDC32F2 |
| Product ID | 1SCA121456R1001 |
| EAN | 6417019526119 |
| Catalog Description | OTDC32F2 DC Switch-disconnector |
| Long Description | OTDC32F2 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 660 VDC 32 A single circuit, IEC 1000 VDC 20 A single circuit |

Ordering

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|------------------------|--------------|
| 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 1SCC301970F0001 |

1SCC301971F0001

Dimensions

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|-------------------------------|--------------------|
| Product Frame Size | XS |
| Product Net Width | 52.5 mm 2.1 in |
| Product Net Height | 89 mm 3.5 in |
| Product Net Depth / Length | 66.2 mm 2.6 in |
| Product Net Weight | 0.14 kg 0.31 lb |

Technical

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| Rated Operational Current DC-21B (I_e) | (660 V) 32 A (1000 V) 20 A |
| Conventional Free-air Thermal Current (I_{th}) | $\varphi = 40\text{ }^{\circ}\text{C}$ 45 A |
| Conventional Thermal Current (I_{the}) | Fully Enclosed 45 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 for 1 s 0.8 kA |
| Power Loss | at Rated Operating Conditions per Pole 0.5 W |
| Pollution Degree | 3 |
| Handle Color | Black |
| Handle Type | Knob handle |
| Positive Opening Operation Torque (Direct Opening Action) | 0.4 ... 0.8 N·m |
| Shaft Diameter | 6 mm 0.24 in |
| Position of Line Terminals | Mechanism on Top of the Switch Top In - Bottom Out 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 |

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|----------------------|--|
| 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) |

Environmental

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

Certificates and Declarations (Document Number)

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|--------------------------------|---------------------|
| CCC Certificate | CQC2012010302579872 |
| Declaration of Conformity - CE | 1SCC301192D2704 |
| DNV GL Certificate | 1SCC301231D0201 |
| Environmental Information | NA |
| Instructions and Manuals | 1SCC301079M0206 |
| RoHS Information | 1SCC301192D2704 |

Container Information

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|--------------------------------|--------------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 100 mm 3.9 in |
| Package Level 1 Depth / Length | 64 mm 2.5 in |
| Package Level 1 Height | 100 mm 3.9 in |
| Package Level 1 Gross Weight | 0.15 kg 0.33 lb |
| Package Level 1 EAN | 6417019526119 |

Classifications

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|----------------------------|--|
| 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) | 3601357 |
| E-Number (Sweden) | 3134022 |

Categories

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

