

## PRODUCT-DETAILS

# OT1600E12K

## OT1600E12K SWITCH-DISCONNECTOR



### General Information

|                       |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT1600E12K                                                                                                           |
| Product ID            | 1SCA111333R1001                                                                                                      |
| EAN                   | 6417019445281                                                                                                        |
| Catalog Description   | OT1600E12K SWITCH-DISCONNECTOR                                                                                       |
| Long Description      | 3-pole, side operated, base mounted switch-d disconnecter with black direct mount handle, terminal bolt kit included |

### Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85365080     |
| Country of Origin      | Finland (FI) |

### Popular Downloads

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 1SCC301020C0201                    |
| Instructions and Manuals          | 1SCC301047M0213                    |
| Mechanical Drawings               | 1SCC301729F0002<br>1SCC301728F0002 |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 412.3 mm |
| Product Net Height         | 372 mm   |
| Product Net Depth / Length | 237.5 mm |
| Product Net Weight         | 17.7 kg  |

## Technical

|                                                       |                                                                               |
|-------------------------------------------------------|-------------------------------------------------------------------------------|
| Rated Operational Current<br>AC-21A ( $I_e$ )         | (380 ... 415 V) 1600 A<br>(500 V) 1600 A<br>(690 V) 1600 A<br>(1000 V) 1600 A |
| Rated Operational Current<br>AC-22A ( $I_e$ )         | (380 ... 415 V) 1600 A<br>(500 V) 1600 A<br>(690 V) 1600 A                    |
| Rated Operational Current<br>AC-23A ( $I_e$ )         | (380 ... 415 V) 1250 A<br>(500 V) 1250 A<br>(690 V) 1250 A                    |
| Rated Operational Power<br>AC-23A ( $P_e$ )           | (400 ... 415 V) 710 kW<br>(500 V) 900 kW<br>(690 V) 1200 kW                   |
| Conventional Free-air<br>Thermal Current ( $I_{th}$ ) | $q = 40^\circ\text{C}$ 1600 A                                                 |
| Conventional Thermal<br>Current ( $I_{the}$ )         | Fully Enclosed 1600 A                                                         |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ )      | 12 kV                                                                         |
| Rated Insulation Voltage<br>( $U_i$ )                 | acc. to IEC/EN 60664-1 1000 V                                                 |
| Rated Operational Voltage                             | Main Circuit 1000 V                                                           |
| Rated Short-Circuit<br>Making Capacity ( $I_{cm}$ )   | (690 V) 110 kA                                                                |
| Rated Short-time<br>Withstand Current ( $I_{cw}$ )    | for 1 s 50 kA                                                                 |
| Power Loss                                            | at Rated Operating Conditions per Pole 48 W                                   |
| Pollution Degree                                      | 3                                                                             |
| Handle Color                                          | Black                                                                         |
| Handle Type                                           | Direct mounted pistol type handle                                             |
| Switches Operating<br>Mechanism                       | Mechanism Between the Poles<br>12 (Between the Poles)                         |
| Distance Between Phases                               | Standard                                                                      |
| Position of Line Terminals                            | Top In - Bottom Out<br>Bottom In - Top Out                                    |
| Operating Mode                                        | Front operated                                                                |
| Standards                                             | IEC 60947-3                                                                   |
| Special Functions                                     | No                                                                            |
| Mounting Type                                         | Base mounting                                                                 |
| Number of Poles                                       | 3                                                                             |
| Degree of Protection                                  | Front IP00                                                                    |
| Terminal Type                                         | Lug terminals                                                                 |

|                       |                              |
|-----------------------|------------------------------|
| Tightening Torque     | acc. IEC 60947-1 50...75 N·m |
| Mechanical Durability | 6000                         |
| Lock Type             | Yes                          |

## Environmental

|                           |                                   |
|---------------------------|-----------------------------------|
| RoHS Status               | Following EU Directive 2011/65/EU |
| Environmental Information | 1SCC301149D0202                   |

## Certificates and Declarations (Document Number)

|                                   |                 |
|-----------------------------------|-----------------|
| Declaration of Conformity<br>- CE | 1SCC301155D2704 |
| DNV GL Certificate                | 1SCC301184D0203 |
| Environmental Information         | 1SCC301149D0202 |
| Instructions and Manuals          | 1SCC301047M0213 |
| RoHS Information                  | 1SCC301149D0203 |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 415 mm        |
| Package Level 1 Depth /<br>Length | 510 mm        |
| Package Level 1 Height            | 325 mm        |
| Package Level 1 Gross<br>Weight   | 21.3 kg       |
| Package Level 1 EAN               | 6417019445281 |

## 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) |

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

