

## PRODUCT-DETAILS

# OS160GD12

## OS160GD12 SWITCH FUSE



### General Information

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| Extended Product Type | OS160GD12                                                                                           |
| Product ID            | 1SCA115664R1001                                                                                     |
| EAN                   | 6417019479835                                                                                       |
| Catalog Description   | OS160GD12 SWITCH FUSE                                                                               |
| Long Description      | Switch Fuses,Front Operated,3-pole,12 (Between the Poles),DIN,000,00,Handle and shaft not included, |

### Ordering

|                       |              |
|-----------------------|--------------|
| Customs Tariff Number | 85365080     |
| Country of Origin     | Finland (FI) |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SCC311137D0201 |
| Instructions and Manuals          | 1SCC110037M0206 |

### Dimensions

|                    |        |
|--------------------|--------|
| Product Net Width  | 147 mm |
| Product Net Height | 140 mm |

|                            |                     |
|----------------------------|---------------------|
| Product Net Depth / Length | 130 mm              |
| Product Net Weight         | 1.845 kg<br>4.07 lb |

## Technical

|                                                      |                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Rated Operational Current AC-21A ( $I_e$ )           | (500 V) 160 A<br>(690 V) 160 A                                                             |
| Rated Operational Current AC-22A ( $I_e$ )           | (500 V) 160 A<br>(690 V) 160 A                                                             |
| Rated Operational Current AC-23A ( $I_e$ )           | (500 V) 160 A<br>(690 V) 160 A                                                             |
| Rated Operational Power AC-23A ( $P_e$ )             | (220 ... 240 V) 45 kW<br>(400 V) 75 kW<br>(415 V) 75 kW<br>(500 V) 90 kW<br>(690 V) 132 kW |
| Conventional Free-air Thermal Current ( $I_{th}$ )   | q = 40 °C 160 A                                                                            |
| Conventional Thermal Current ( $I_{the}$ )           | Fully Enclosed 160 A                                                                       |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )        | 8 kV                                                                                       |
| Rated Insulation Voltage ( $U_i$ )                   | 1000 V                                                                                     |
| Rated Operational Voltage                            | 500 V                                                                                      |
| Rated Short-time Withstand Current ( $I_{cw}$ )      | for 1 s 5 kiloampere rms                                                                   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | (690 V) 80 kA                                                                              |
| Power Loss                                           | at Rated Operating Conditions per Pole 12 W                                                |
| Pollution Degree                                     | 3                                                                                          |
| Handle Type                                          | Handle and shaft not included                                                              |
| Switches Operating Mechanism                         | 12 (Between the Poles)                                                                     |
| Position of Line Terminals                           | Top In - Bottom Out, Bottom In - Top Out                                                   |
| Fuse Size                                            | 000,00                                                                                     |
| Fuse System                                          | DIN                                                                                        |
| Operating Mode                                       | Front Operated                                                                             |
| Standards                                            | IEC 60947-3                                                                                |
| Mounting Type                                        | Base mounting                                                                              |
| Number of Poles                                      | 3                                                                                          |
| Terminal Type                                        | Lug terminals                                                                              |
| Terminal Width                                       | 20 mm                                                                                      |
| Tightening Torque                                    | 15 ... 22 N·m                                                                              |
| Fuse Type                                            | DIN                                                                                        |

## Environmental

|             |                                                                        |
|-------------|------------------------------------------------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
|-------------|------------------------------------------------------------------------|

## Certificates and Declarations (Document Number)

|                                |                          |
|--------------------------------|--------------------------|
| CCC Certificate                | CCC OS100-160G_ 2015.pdf |
| Declaration of Conformity - CE | 1SCC311137D2703          |

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| DNV GL Certificate       | 1SCC311125D0203                                                   |
| EAC Certificate          | EAC<br>OT_OTDC_OTL_OTP_OTR_OTU_OTE_OETL_OESA_OESC_OTM_OS_OSM_.pdf |
| Instructions and Manuals | 1SCC110037M0206                                                   |
| RoHS Information         | 1SCC311137D2703                                                   |

Container Information

|                                |                  |
|--------------------------------|------------------|
| Package Level 1 Units          | box 1 piece      |
| Package Level 1 Width          | 170 mm<br>6.7 in |
| Package Level 1 Depth / Length | 220 mm<br>8.7 in |
| Package Level 1 Height         | 150 mm<br>5.9 in |
| Package Level 1 Gross Weight   | 2 kg<br>4.4 lb   |
| Package Level 1 EAN            | 6417019479835    |

Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Object Classification Code | Q                                                          |
| ETIM 4                     | EC001040 - Fuse switch disconnecter                        |
| ETIM 5                     | EC001040 - Fuse switch disconnecter                        |
| ETIM 6                     | EC001040 - Fuse switch disconnecter                        |
| ETIM 7                     | EC001040 - Fuse switch disconnecter                        |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland)         | 3660344                                                    |

Categories

Low Voltage Products and Systems → Switches → Switch Fuses

