



PRODUCT-DETAILS

# OS63GD12

## OS63GD12 SWITCH FUSE



| General Information   |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Extended Product Type | OS63GD12                                                                                         |
| Product ID            | 1SCA115226R1001                                                                                  |
| EAN                   | 6417019476513                                                                                    |
| Catalog Description   | OS63GD12 SWITCH FUSE                                                                             |
| Long Description      | Switch Fuses,Front Operated,3-pole,12 (Between the Poles),DIN,000,Handle and shaft not included, |

| ABB EcoSolutions                                   |                                                     |
|----------------------------------------------------|-----------------------------------------------------|
| ABB Site Meeting Group<br>Waste To Landfill Target | UL 2799 Zero Waste To Landfill Validation available |
| End Of Life<br>Disassembling<br>Instructions       | 1SCC311048M0201                                     |
| Environmental Product<br>Declaration - EPD         | 1SCC311195D0201                                     |

| Material Compliance                         |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                                        |
| REACH Declaration                           | 1SCC011021D0201                                                        |
| RoHS Information                            | 1SCC011020D0201                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA         | 1SCC011025D0201                                                        |

| Popular Downloads                       |                 |
|-----------------------------------------|-----------------|
| Data Sheet, Technical Information       | 1SCC311013C0201 |
| Instructions and Manuals                | 1SCC311036M0212 |
| Mechanical Drawings                     | OS63GD12.igs    |
| Environmental Product Declaration - EPD | 1SCC311195D0201 |

| Environmental    |   |
|------------------|---|
| Pollution Degree | 3 |

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

| Dimensions                 |                    |
|----------------------------|--------------------|
| Product Net Width          | 115 mm             |
| Product Net Height         | 112 mm             |
| Product Net Depth / Length | 121 mm             |
| Product Net Weight         | 0.99 kg<br>2.18 lb |

| Container Information          |                  |
|--------------------------------|------------------|
| Package Level 1 Units          | box 1 piece      |
| Package Level 1 Width          | 170 mm<br>6.7 in |
| Package Level 1 Depth / Length | 190 mm<br>7.5 in |
| Package Level 1 Height         | 145 mm<br>5.7 in |
| Package Level 1 Gross Weight   | 1.1 kg<br>2.5 lb |
| Package Level 1 EAN            | 6417019476513    |

## Technical

|                                                             |                                                                                             |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Cable Cross-Section                                         | 2.5 ... 25 mm <sup>2</sup>                                                                  |
| Connecting Capacity                                         | Stranded 2.5 ... 25 mm <sup>2</sup><br>Flexible 2.5 ... 25 mm <sup>2</sup>                  |
| Conventional Free-air Thermal Current ( $I_{th}$ )          | $\Theta = 40\text{ °C}$ 63 A                                                                |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 63 A                                                                         |
| Fuse Size                                                   | NH000                                                                                       |
| Fuse System                                                 | DIN                                                                                         |
| Handle Type                                                 | Handle and shaft not included                                                               |
| Mounting Type                                               | Base mounting                                                                               |
| Number of Poles                                             | 3P                                                                                          |
| Operating Mode                                              | Front Operated                                                                              |
| Pollution Degree                                            | 3                                                                                           |
| Position of Line Terminals                                  | Top In - Bottom Out, Bottom In - Top Out                                                    |
| Power Loss                                                  | at Rated Operating Conditions per Pole 4 W                                                  |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (690 V) 80 kA                                                                               |
| Rated Current ( $I_n$ )                                     | Main Circuit 63 A                                                                           |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 12 kV                                                                                       |
| Rated Insulation Voltage ( $U_i$ )                          | 1000 V                                                                                      |
| Rated Operational Current AC-21A ( $I_e$ )                  | (500 V) 63 A<br>(690 V) 63 A                                                                |
| Rated Operational Current AC-22A ( $I_e$ )                  | (500 V) 63 A<br>(690 V) 63 A                                                                |
| Rated Operational Current AC-23A ( $I_e$ )                  | (500 V) 63 A<br>(690 V) 63 A                                                                |
| Rated Operational Power AC-23A ( $P_e$ )                    | (220 ... 240 V) 18.5 kW<br>(400 V) 30 kW<br>(415 V) 30 kW<br>(500 V) 37 kW<br>(690 V) 55 kW |
| Rated Operational Voltage                                   | Main Circuit 690 V AC                                                                       |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 2.5 kiloampere rms                                                                  |
| Standards                                                   | IEC 60947-3                                                                                 |
| Switches Operating Mechanism                                | 12 (Between the Poles)                                                                      |
| Terminal Type                                               | Screw Terminals                                                                             |
| Tightening Torque                                           | 3 N·m<br>4 N·m                                                                              |
| Wire Stripping Length                                       | Main Circuit 12 mm<br>Main Circuit 0.47 in                                                  |

## Technical UL/CSA

|                       |                                            |
|-----------------------|--------------------------------------------|
| Wire Stripping Length | Main Circuit 12 mm<br>Main Circuit 0.47 in |
| Tightening Torque     | 3 N·m<br>4 N·m                             |

| Certificates and Declarations  |                         |
|--------------------------------|-------------------------|
| A2L Certificate – IEC          | 1SCC311208D0201         |
| ATEX Certificate               | No certification needed |
| CCC Certificate                | CCC OS32-63G_ 2016.pdf  |
| Declaration of Conformity - CE | 1SCC311136D2703         |
| DNV GL Certificate             | 1SCC311125D0203         |
| UL Certificate                 | No certification needed |

| External Classifications and Standards |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Object Classification Code             | Q                                                          |
| ETIM 8                                 | EC001040 - Fuse switch disconnecter                        |
| ETIM 9                                 | EC001040 - Fuse switch disconnecter                        |
| UNSPSC                                 | 39122233                                                   |
| IDEA Granular Category Code (IGCC)     | 5291 >> Fuse switch disconnecter                           |
| eClass                                 | V11.1 : 27371401                                           |
| WEEE Category                          | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland)                     | 3660330                                                    |

## Categories

Low Voltage Products and Systems → Switches → Switch Fuses

