



PRODUCT-DETAILS

# OS400D12

## OS400D12 SWITCH FUSE



| General Information   |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
| Extended Product Type | OS400D12                                                                                           |
| Product ID            | 1SCA022753R1850                                                                                    |
| EAN                   | 6417019244884                                                                                      |
| Catalog Description   | OS400D12 SWITCH FUSE                                                                               |
| Long Description      | Switch Fuses,Front Operated,3-pole,12 (Between the Poles),DIN,0,1,2,Handle and shaft not included, |

| ABB EcoSolutions                                |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| ABB Site Meeting Group Waste To Landfill Target | UL 2799 Zero Waste To Landfill Validation available |
| End Of Life Disassembling Instructions          | 1SCC311050M0201                                     |
| Environmental Product Declaration - EPD         | 1SCC311198D0201                                     |

## Material Compliance

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                                        |
| REACH Declaration                           | 1SCC011021D0201                                                        |
| RoHS Declaration                            | 1SCC011020D0201                                                        |
| RoHS Information                            | 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                | 1SCC311015M0215 |
| Mechanical Drawings                     | OS400D12.igs    |
| Environmental Product Declaration - EPD | 1SCC311198D0201 |

## Environmental

|                      |                        |
|----------------------|------------------------|
| Degree of Protection | acc. to IEC 60529 IP20 |
| Pollution Degree     | 3                      |

## Ordering

|                                |          |
|--------------------------------|----------|
| Minimum Order Quantity         | 1 piece  |
| Customs Tariff Number          | 85365080 |
| Country or Territory of Origin | Finland  |

## Dimensions

|                            |                    |
|----------------------------|--------------------|
| Product Net Width          | 255 mm             |
| Product Net Height         | 230 mm             |
| Product Net Depth / Length | 193 mm             |
| Product Net Weight         | 6.3 kg<br>13.89 lb |

## Container Information

|                                |                    |
|--------------------------------|--------------------|
| Package Level 1 Units          | box 1 piece        |
| Package Level 1 Width          | 240 mm<br>9.45 in  |
| Package Level 1 Depth / Length | 270 mm<br>10.63 in |
| Package Level 1 Height         | 206 mm<br>8.11 in  |
| Package Level 1 Gross Weight   | 6.7 kg<br>14.77 lb |
| Package Level 1 EAN            | 6417019244884      |

## Technical

|                                                             |                                                                                                |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 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                                        | acc. to IEC 60529 IP20                                                                         |
| Fuse Size                                                   | NH0<br>NH1<br>NH2                                                                              |
| Fuse System                                                 | DIN                                                                                            |
| Handle Type                                                 | Handle not included                                                                            |
| Mounting Type                                               | Base mounting                                                                                  |
| 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 Current 36 W                                                                          |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (500 V) 100 kA<br>(690 V) 80 kA                                                                |
| Rated Current ( $I_n$ )                                     | Main Circuit 400 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) 400 A<br>(690 V) 400 A                                                                 |
| Rated Operational Current AC-22A ( $I_e$ )                  | (380 ... 415 V) 400 A<br>(500 V) 400 A<br>(690 V) 400 A                                        |
| Rated Operational Current AC-23A ( $I_e$ )                  | (380 ... 415 V) 400 A<br>(500 V) 400 A<br>(690 V) 400 A                                        |
| Rated Operational Power AC-23A ( $P_e$ )                    | (220 ... 240 V) 132 kW<br>(400 V) 220 kW<br>(415 V) 230 kW<br>(500 V) 280 kW<br>(690 V) 400 kW |
| Rated Operational Voltage                                   | Main Circuit 690 V AC                                                                          |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 14 kiloampere rms                                                                      |
| Standards                                                   | IEC 60947-3                                                                                    |
| Switches Operating Mechanism                                | 12 (Between the Poles)                                                                         |
| Terminal Type                                               | Lug terminals                                                                                  |
| Terminal Width                                              | 25 mm                                                                                          |
| Tightening Torque                                           | 30 ... 44 N·m                                                                                  |

## Technical UL/CSA

|                   |               |
|-------------------|---------------|
| Tightening Torque | 30 ... 44 N·m |
|-------------------|---------------|

## Certificates and Declarations

|                                   |                         |
|-----------------------------------|-------------------------|
| A2L Certificate – IEC             | 1SCC311209D0201         |
| ATEX Certificate                  | No certification needed |
| CCC Certificate                   | CCC OS315-400 2016      |
| Declaration of<br>Conformity - CE | 1SCC311099D2704         |
| DNV GL Certificate                | 1SCC311131D0203         |
| UL Certificate                    | No certification needed |

**External Classifications and Standards**

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Object Classification<br>Code         | Q                                                          |
| ETIM 9                                | EC001040 - Fuse switch disconnecter                        |
| ETIM 10                               | EC001040 - Fuse switch disconnecter                        |
| UNSPSC                                | 39122233                                                   |
| IDEA Granular Category<br>Code (IGCC) | 5291 >> Fuse switch disconnecter                           |
| eClass                                | V11.1 : 27371401                                           |
| WEEE Category                         | 5. Small Equipment (No External Dimension More Than 50 cm) |

**Categories**

Low Voltage Products and Systems → Switches → Switch Fuses

