PRODUCT-DETAILS

# OS250DS40N2

## OS250DS40N2 SWITCH FUSE



### General Information

| | |
|---|---|
| Extended Product Type | OS250DS40N2 |
| Product ID | 1SCA022871R2510 |
| EAN | 6417019338118 |
| Catalog Description | OS250DS40N2 SWITCH FUSE |
| Long Description | Switch Fuses,Side Operated,4-pole,40 (Right Side),DIN,0,1,Handle and shaft not included,Switched - With Solid Link |

### ABB EcoSolutions

| | |
|---|---|
| End of Life Instructions | 1SCC311049M0201 |
| Environmental Product Declaration - EPD | 1SCC311197D0201 |
| Group Waste to Landfill Target | UL 2799 Zero Waste To Landfill Validation available |

### Material Compliance

| | |
|---|---|
| Conflict Minerals | 9AKK108467A5658 |

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| | |
|---|---|
| Reporting Template (CMRT) | |
| 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 | 1SCC311023M0205 |
| Mechanical Drawings | OS250DS40F.igs |
| Environmental Product Declaration - EPD | 1SCC311197D0201 |
| End of Life Instructions | 1SCC311049M0201 |

## Environmental

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

## Ordering

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

## Dimensions

| | |
|---|---|
| Product Net Width | 294 mm |
| Product Net Height | 199 mm |
| Product Net Depth / Length | 154 mm |
| Product Net Weight | 4.8 kg<br>10.6 lb |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 270 mm<br>10.6 in |
| Package Level 1 Depth / Length | 310 mm<br>12.2 in |
| Package Level 1 Height | 200 mm<br>7.9 in |
| Package Level 1 Gross Weight | 5.1 kg<br>11.3 lb |
| Package Level 1 EAN | 6417019338118 |

## Technical

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| | |
|---|---|
| Conventional Free-air Thermal Current ($I_{th}$) | Θ = 40 °C 250 A |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 250 A |
| Fourth Pole Position | Right Side |
| Fourth Pole Type | Switched - With Solid Link |
| Fuse Size | NH0<br>NH1 |
| Fuse System | DIN |
| Handle Type | Handle and shaft not included |
| Mounting Type | Base mounting |
| Number of Poles | 4P |
| Operating Mode | Side Operated |
| Pollution Degree | 3 |
| Position of Line Terminals | Top In - Bottom Out, Bottom In - Top Out |
| Power Loss | at Rated Operating Conditions per Pole 13 W |
| Rated Conditional Short-Circuit Current ($I_{nc}$) | (690 V) 80 kA |
| Rated Current ($I_n$) | Main Circuit 250 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) 250 A<br>(690 V) 250 A |
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 250 A<br>(500 V) 250 A<br>(690 V) 250 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 250 A<br>(500 V) 250 A<br>(690 V) 250 A |
| Rated Operational Power AC-23A ($P_e$) | (220 ... 240 V) 75 kW<br>(400 V) 140 kW<br>(415 V) 145 kW<br>(500 V) 170 kW<br>(690 V) 250 kW |
| Rated Operational Voltage | Main Circuit 690 V AC |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 8 kiloampere rms |
| Standards | IEC 60947-3 |
| Switches Operating Mechanism | 40 (Right Side) |
| 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 |

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| | |
|---|---|
| ATEX Certificate | No certification needed |
| CCC Certificate | CCC OS200-250 2016 |
| Declaration of Conformity - CE | 1SCC311095D2704 |
| DNV GL Certificate | 1SCC311123D0203 |
| UL Certificate | No certification needed |

## Classifications

| | |
|---|---|
| Object Classification Code | Q |
| ETIM 8 | EC001040 - Fuse switch disconnector |
| ETIM 9 | EC001040 - Fuse switch disconnector |
| UNSPSC | 39122233 |
| IDEA Granular Category Code (IGCC) | 5291 >> Fuse switch disconnector |
| 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



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