PRODUCT-DETAILS

# OS160GDS40N2

## OS160GDS40N2 SWITCH FUSE

### General Information

| | |
|---|---|
| Extended Product Type | OS160GDS40N2 |
| Product ID | 1SCA115969R1001 |
| EAN | 6417019482385 |
| Catalog Description | OS160GDS40N2 SWITCH FUSE |
| Long Description | Switch-disconnector fuse, 160A, 4-pole, DIN,000/00, side operated, switched non-fusible fourth pole. |

### ABB EcoSolutions

| | |
|---|---|
| ABB Site Meeting Group Waste To Landfill Target | UL 2799 Zero Waste To Landfill Validation available |
| End Of Life Disassembling Instructions | 1SCC311047M0201 |
| Environmental Product Declaration - EPD | 1SCC311196D0201 |

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## 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 | 1SCC311039M0205 |
| Mechanical Drawings | OS160GD_F_S40.igs |
| Environmental Product Declaration - EPD | 1SCC311196D0201 |

## 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 | 217 mm |
| Product Net Height | 140 mm |
| Product Net Depth / Length | 130 mm |
| Product Net Weight | 2.56 kg<br>5.64 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 | 250 mm<br>9.8 in |
| Package Level 1 Height | 155 mm<br>6.1 in |
| Package Level 1 Gross Weight | 2.7 kg<br>6 lb |
| Package Level 1 EAN | 6417019482385 |

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## Technical

| | |
|---|---|
| Conventional Free-air Thermal Current ($I_{th}$) | Θ = 40 °C 160 A |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 160 A |
| Degree of Protection | acc. to IEC 60529 IP20 |
| Fourth Pole Position | Right Side |
| Fourth Pole Type | Switched - With Solid Link |
| Fuse Size | NH000<br>NH00 |
| Fuse System | DIN |
| Handle Type | Handle not included |
| Mounting Type | Base mounting |
| Number of Poles | 4P |
| Operating Mode | Side |
| Pollution Degree | 3 |
| Position of Line Terminals | Top In - Bottom Out, Bottom In - Top Out |
| Power Loss | at Rated Current 8 W |
| Rated Conditional Short-Circuit Current ($I_{nc}$) | (500 V) 100 kA<br>(690 V) 80 kA |
| Rated Current ($I_n$) | Main Circuit 160 A |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 8 kV |
| Rated Insulation Voltage ($U_i$) | 1000 V |
| 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 |
| Rated Operational Voltage | Main Circuit 690 V AC |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 5 kiloampere rms |
| Standards | IEC 60947-3 |
| Switches Operating Mechanism | 40 (Right Side) |
| Terminal Type | Lug terminals |
| Terminal Width | 20 mm |
| Tightening Torque | 15 … 22 N·m |

## Technical UL/CSA

| | |
|---|---|
| Tightening Torque | 15 … 22 N·m |

## Certificates and Declarations

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| | |
|---|---|
| A2L Certificate – IEC | 1SCC311209D0201 |
| ATEX Certificate | No certification needed |
| CCC Certificate | CCC OS100-160G_ 2015.pdf |
| Declaration of Conformity - CE | 1SCC311137D2703 |
| DNV GL Certificate | 1SCC311125D0203 |
| UL Certificate | No certification needed |

## External Classifications and Standards

| | |
|---|---|
| Object Classification Code | Q |
| ETIM 9 | EC001040 - Fuse switch disconnector |
| ETIM 10 | 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) |
| E-Number (Finland) | 3600116 |

## Categories

Low Voltage Products and Systems → Switches → Switch Fuses

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