



## PRODUCT-DETAILS

**OS160GDS30K****OS160GDS30K SWITCH FUSE****General Information**

|                       |   |
|-----------------------|---|
| Extended Product Type | OS160GDS30K   |
| Product ID            | 1SCA115935R1001   |
| EAN                   | 6417019482057   |
| Catalog Description   | OS160GDS30K SWITCH FUSE   |
| Long Description      | Switch-disconnector fuse, 160A, 3-pole, DIN,000/00, side operated with direct handle. |

**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       | 1SCC311047M0201                                     |
| Environmental Product<br>Declaration - EPD         | 1SCC311196D0201                                     |

**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_S30K.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          | 202 mm              |
| Product Net Height         | 140 mm              |
| Product Net Depth / Length | 130 mm              |
| Product Net Weight         | 2.095 kg<br>4.62 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   | 2.3 kg<br>5 lb   |
| Package Level 1 EAN            | 6417019482057    |

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**Technical**


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|---|--|
| Conventional Free-air Thermal Current ( $I_{th}$ )          | $\Theta = 40\text{ °C}$ 160 A  |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 160 A   |
| Degree of Protection  | acc. to IEC 60529 IP20   |
| Fuse Size   | NH000<br>NH00  |
| Fuse System   | DIN  |
| Handle Type   | Direct mounted handle  |
| Mounting Type   | Base mounting  |
| Number of Poles   | 3P   |
| 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                                | 30 (Right Side)  |
| Terminal Type   | Lug terminals  |
| Terminal Width  | 20 mm  |
| Tightening Torque   | 15 ... 22 N·m  |

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**Technical UL/CSA**


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

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**Certificates and Declarations**


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|                       |                         |
|-----------------------|-------------------------|
| A2L Certificate – IEC | 1SCC311209D0201         |
| ATEX Certificate      | No certification needed |

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|                                |                         |
|--------------------------------|-------------------------|
| 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 disconnecter                        |
| ETIM 10                            | 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) |

## Categories

Low Voltage Products and Systems → Switches → Switch Fuses

