



PRODUCT-DETAILS

# OS32GDS40N2K

## OS32GDS40N2K SWITCH FUSE



| General Information   |                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OS32GDS40N2K                                                                                                            |
| Product ID            | 1SCA116402R1001                                                                                                         |
| EAN                   | 6417019484259                                                                                                           |
| Catalog Description   | OS32GDS40N2K SWITCH FUSE                                                                                                |
| Long Description      | Switch-disconnector fuse, 32A, 4-pole, DIN 000, side operated, switched non-fusible fourth pole, direct mounted 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       | 1SCC311048M0201                                     |
| Environmental Product<br>Declaration - EPD         | 1SCC311195D0201                                     |

| 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                |  | 1SCC311038M0207 |
| Mechanical Drawings                     |  | OS63GDS40K.igs  |
| Environmental Product Declaration - EPD |  | 1SCC311195D0201 |

| 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          |  | 191 mm |
| Product Net Height         |  | 125 mm |
| Product Net Depth / Length |  | 121 mm |
| Product Net Weight         |  | 1.5 kg |

| 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   |  | 1.8 kg<br>4 lb   |
| Package Level 1 EAN            |  | 6417019484259    |

## 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 ( $I_{th}$ )          | Θ = 40 °C 32 A                                                                               |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 32 A                                                                          |
| Degree of Protection                                        | acc. to IEC 60529 IP20                                                                       |
| Fourth Pole Position                                        | Right Side                                                                                   |
| Fourth Pole Type                                            | Switched - With Solid Link                                                                   |
| Fuse Size                                                   | NH000                                                                                        |
| Fuse System                                                 | DIN                                                                                          |
| Handle Type                                                 | Direct mounted handle                                                                        |
| 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 Operating Conditions per Pole 1 W                                                   |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (500 V) 100 kA<br>(690 V) 80 kA                                                              |
| Rated Current ( $I_n$ )                                     | Main Circuit 32 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) 32 A<br>(690 V) 32 A                                                                 |
| Rated Operational Current AC-22A ( $I_e$ )                  | (500 V) 32 A<br>(690 V) 32 A                                                                 |
| Rated Operational Current AC-23A ( $I_e$ )                  | (500 V) 32 A<br>(690 V) 32 A                                                                 |
| Rated Operational Power AC-23A ( $P_e$ )                    | (220 ... 240 V) 7.5 kW<br>(400 V) 15 kW<br>(415 V) 15 kW<br>(500 V) 18.5 kW<br>(690 V) 22 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                                                                   |
| Recommended Screw Driver                                    | Main Circuit Hexagon 4                                                                       |
| Standards                                                   | IEC 60947-3                                                                                  |
| Switches Operating Mechanism                                | 40 (Right Side)                                                                              |
| 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 |
| Recommended Screw Driver | Main Circuit Hexagon 4                     |
| 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 9                             | EC001040 - Fuse switch disconnectors                       |
| ETIM 10                            | EC001040 - Fuse switch disconnectors                       |
| UNSPSC                             | 39122233                                                   |
| IDEA Granular Category Code (IGCC) | 5291 >> Fuse switch disconnectors                          |
| 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

