

## PRODUCT-DETAILS

# OS100GBS40N2

## OS100GBS40N2 SWITCH FUSE



### General Information

|                       |                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OS100GBS40N2                                                                                                                      |
| Product ID            | 1SCA116760R1001                                                                                                                   |
| EAN                   | 6417019488448                                                                                                                     |
| Catalog Description   | OS100GBS40N2 SWITCH FUSE                                                                                                          |
| Long Description      | Switch Fuses,Side Operated,4-pole,40 (Right Side),British Standard,A2-A4,Handle and shaft not included,Switched - With Solid Link |

### Ordering

|                       |              |
|-----------------------|--------------|
| Customs Tariff Number | 85365080     |
| Country of Origin     | Finland (FI) |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SCC311137D0201 |
| Instructions and Manuals          | 1SCC110037M0206 |

### Dimensions

|                    |        |
|--------------------|--------|
| Product Net Width  | 217 mm |
| Product Net Height | 140 mm |

|                            |                    |
|----------------------------|--------------------|
| Product Net Depth / Length | 127 mm             |
| Product Net Weight         | 2.56 kg<br>5.64 lb |

## Technical

|                                                      |                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Rated Operational Current AC-21A ( $I_e$ )           | (500 V) 100 A<br>(690 V) 100 A                                                            |
| Rated Operational Current AC-22A ( $I_e$ )           | (500 V) 100 A<br>(690 V) 100 A                                                            |
| Rated Operational Current AC-23A ( $I_e$ )           | (500 V) 100 A<br>(690 V) 100 A                                                            |
| Rated Operational Power AC-23A ( $P_e$ )             | (220 ... 240 V) 30 kW<br>(400 V) 55 kW<br>(415 V) 55 kW<br>(500 V) 55 kW<br>(690 V) 90 kW |
| Conventional Free-air Thermal Current ( $I_{th}$ )   | $q = 40\text{ }^{\circ}\text{C}$ 100 A                                                    |
| Conventional Thermal Current ( $I_{the}$ )           | Fully Enclosed 100 A                                                                      |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )        | 8 kV                                                                                      |
| Rated Insulation Voltage ( $U_i$ )                   | 1000 V                                                                                    |
| Rated Operational Voltage                            | 500 V                                                                                     |
| Rated Short-time Withstand Current ( $I_{cw}$ )      | for 1 s 5 kiloampere rms                                                                  |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | (690 V) 80 kA                                                                             |
| Power Loss                                           | at Rated Operating Conditions per Pole 12 W                                               |
| Pollution Degree                                     | 3                                                                                         |
| Handle Type                                          | Handle and shaft not included                                                             |
| Fourth Pole Position                                 | Right Side                                                                                |
| Fourth Pole Type                                     | Switched - With Solid Link                                                                |
| Switches Operating Mechanism                         | 40 (Right Side)                                                                           |
| Position of Line Terminals                           | Top In - Bottom Out, Bottom In - Top Out                                                  |
| Fuse Size                                            | A2-A4                                                                                     |
| Fuse System                                          | British Standard                                                                          |
| Operating Mode                                       | Side Operated                                                                             |
| Standards                                            | IEC 60947-3                                                                               |
| Mounting Type                                        | Base mounting                                                                             |
| Number of Poles                                      | 4                                                                                         |
| Terminal Type                                        | Lug terminals                                                                             |
| Terminal Width                                       | 20 mm                                                                                     |
| Tightening Torque                                    | 15 ... 22 N·m                                                                             |
| Fuse Type                                            | BS                                                                                        |

## Environmental

|             |                                                                        |
|-------------|------------------------------------------------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
|-------------|------------------------------------------------------------------------|

## Certificates and Declarations (Document Number)

|                 |                          |
|-----------------|--------------------------|
| CCC Certificate | CCC OS100-160G_ 2015.pdf |
|-----------------|--------------------------|

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Declaration of<br>Conformity - CE | 1SCC311137D2703                                                   |
| DNV GL Certificate                | 1SCC311125D0203                                                   |
| EAC Certificate                   | EAC<br>OT_OTDC_OTL_OTP_OTR_OTU_OTE_OETL_OESA_OESC_OTM_OS_OSM_.pdf |
| Instructions and<br>Manuals       | 1SCC110037M0206                                                   |
| RoHS Information                  | 1SCC311137D2703                                                   |

Container Information

|                                   |                   |
|-----------------------------------|-------------------|
| Package Level 1 Units             | box 1 piece       |
| Package Level 1 Width             | 260 mm<br>10.2 in |
| Package Level 1 Depth /<br>Length | 290 mm<br>11.4 in |
| Package Level 1 Height            | 190 mm<br>7.5 in  |
| Package Level 1 Gross<br>Weight   | 2.8 kg<br>6.3 lb  |
| Package Level 1 EAN               | 6417019488448     |

Classifications

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Object Classification<br>Code | Q                                                          |
| ETIM 4                        | EC001040 - Fuse switch disconnecter                        |
| ETIM 5                        | EC001040 - Fuse switch disconnecter                        |
| ETIM 6                        | EC001040 - Fuse switch disconnecter                        |
| ETIM 7                        | EC001040 - Fuse switch disconnecter                        |
| WEEE Category                 | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Low Voltage Products and Systems → Switches → Switch Fuses

