



PRODUCT-DETAILS

OS630D04N2K

OS630D04N2K SWITCH FUSE



| General Information   |                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------|
| Extended Product Type | OS630D04N2K                                                                                              |
| Product ID            | 1SCA108705R1001                                                                                          |
| EAN                   | 6417019419329                                                                                            |
| Catalog Description   | OS630D04N2K SWITCH FUSE                                                                                  |
| Long Description      | Switch Fuses,Front Operated,4-pole,04 (Left Side),DIN,3,Direct mounted handle,Switched - With Solid Link |

| ABB EcoSolutions                        |                                                     |
|-----------------------------------------|-----------------------------------------------------|
| ABB Site Meeting Group                  | UL 2799 Zero Waste To Landfill Validation available |
| Waste To Landfill Target                |                                                     |
| Environmental Product Declaration - EPD | 1SCC311202D0201                                     |

| Material Compliance                  |                 |
|--------------------------------------|-----------------|
| Conflict Minerals Reporting Template | 9AKK108467A5658 |

(CMRT)

|                                     |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| 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                | 1SCC311016M0210     |
| Mechanical Drawings                     | OS630-800D04N2K.stp |
| Environmental Product Declaration - EPD | 1SCC311202D0201     |

### 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          | 431 mm               |
| Product Net Height         | 306 mm               |
| Product Net Depth / Length | 233 mm               |
| Product Net Weight         | 19.35 kg<br>42.66 lb |

### Container Information

|                                |                      |
|--------------------------------|----------------------|
| Package Level 1 Units          | box 1 piece          |
| Package Level 1 Width          | 328 mm               |
| Package Level 1 Depth / Length | 453 mm               |
| Package Level 1 Height         | 310 mm               |
| Package Level 1 Gross Weight   | 20.29 kg<br>44.73 lb |
| Package Level 1 EAN            | 6417019419329        |

### Technical

|                       |                            |
|-----------------------|----------------------------|
| Cable Cross-Section   | 2.5 ... 25 mm <sup>2</sup> |
| Conventional Free-air | Θ = 40 °C 630 A            |

|                                                             |                                                                                                |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Thermal Current ( $I_{th}$ )                                |                                                                                                |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 570 A                                                                           |
| Degree of Protection                                        | acc. to IEC 60529 IP20                                                                         |
| Fourth Pole Position                                        | Right Side                                                                                     |
| Fourth Pole Type                                            | Switched - With Solid Link                                                                     |
| Fuse Size                                                   | NH3                                                                                            |
| Fuse System                                                 | DIN                                                                                            |
| Handle Type                                                 | Direct mounted handle                                                                          |
| Mounting Type                                               | Base mounting                                                                                  |
| Number of Poles                                             | 4P                                                                                             |
| Operating Mode                                              | Front                                                                                          |
| Pollution Degree                                            | 3                                                                                              |
| Position of Line Terminals                                  | Top In - Bottom Out, Bottom In - Top Out                                                       |
| Power Loss                                                  | at Rated Operating Conditions per Pole 46 W                                                    |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (500 V) 100 kA<br>(690 V) 80 kA                                                                |
| Rated Current ( $I_n$ )                                     | Main Circuit 630 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) 630 A<br>(690 V) 630 A                                                                 |
| Rated Operational Current AC-22A ( $I_e$ )                  | (380 ... 415 V) 630 A<br>(500 V) 630 A<br>(690 V) 630 A                                        |
| Rated Operational Current AC-23A ( $I_e$ )                  | (500 V) 630 A<br>(380 ... 415 V) 630 A<br>(690 V) 630 A                                        |
| Rated Operational Current AC-23B ( $I_e$ )                  | (380 ... 415 V) 630 A<br>(500 V) 630 A<br>(690 V) 630 A                                        |
| Rated Operational Power AC-23A ( $P_e$ )                    | (220 ... 240 V) 200 kW<br>(400 V) 355 kW<br>(415 V) 355 kW<br>(500 V) 450 kW<br>(690 V) 630 kW |
| Rated Operational Voltage                                   | Main Circuit 690 V AC                                                                          |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 18 kiloampere rms                                                                      |
| Standards                                                   | IEC 60947-3                                                                                    |
| Switches Operating Mechanism                                | 04 (Left Side)                                                                                 |
| Terminal Type                                               | Lug terminals                                                                                  |
| Terminal Width                                              | 39 mm                                                                                          |
| Tightening Torque                                           | 50 ... 75 N·m                                                                                  |

## Technical UL/CSA

|                   |               |
|-------------------|---------------|
| Tightening Torque | 50 ... 75 N·m |
|-------------------|---------------|

## Certificates and Declarations

|                                   |                         |
|-----------------------------------|-------------------------|
| A2L Certificate – IEC             | 1SCC311209D0201         |
| ATEX Certificate                  | No certification needed |
| CCC Certificate                   | CCC OS630-800 2016      |
| Declaration of<br>Conformity - CE | 1SCC311112D2704         |
| DNV GL Certificate                | 1SCC311131D0203         |
| UL Certificate                    | No certification needed |

External Classifications and Standards

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Object Classification<br>Code         | Q                                                          |
| ETIM 9                                | EC001040 - Fuse switch disconnecter                        |
| ETIM 10                               | EC001040 - Fuse switch disconnecter                        |
| UNSPSC                                | 39122233                                                   |
| IDEA Granular Category<br>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

