

## PRODUCT-DETAILS

# OT16FT4N1

## OT16FT4N1 SWITCH-DISCONNECTOR



### General Information

|                       |                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT16FT4N1                                                                                                                                     |
| Product ID            | 1SCA104853R1001                                                                                                                               |
| EAN                   | 6417019389974                                                                                                                                 |
| Catalog Description   | OT16FT4N1 SWITCH-DISCONNECTOR                                                                                                                 |
| Long Description      | 4-pole, front operated, door mounted switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle is not included |

### Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85365080     |
| Country of Origin      | Finland (FI) |

### Popular Downloads

|                                   |                  |
|-----------------------------------|------------------|
| Data Sheet, Technical Information | 1SCC301020C0201  |
| Instructions and Manuals          | 1SCC301056M0006  |
| Mechanical Drawings               | OT16-40FT4N1.igs |

### Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 48.5 mm |
| Product Net Height         | 54 mm   |
| Product Net Depth / Length | 52 mm   |
| Product Net Weight         | 0.13 kg |

## Technical

|                                                    |                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------|
| Rated Operational Current AC-21A ( $I_e$ )         | (380 ... 415 V) 16 A<br>(500 V) 16 A<br>(690 V) 16 A                               |
| Rated Operational Current AC-22A ( $I_e$ )         | (380 ... 415 V) 16 A<br>(500 V) 16 A<br>(690 V) 16 A                               |
| Rated Operational Current AC-23A ( $I_e$ )         | (380 ... 415 V) 16 A<br>(500 V) 16 A<br>(690 V) 10 A                               |
| Rated Operational Power AC-23A ( $P_e$ )           | (220 ... 240 V) 3 kW<br>(400 ... 415 V) 7.5 kW<br>(500 V) 7.5 kW<br>(690 V) 7.5 kW |
| Conventional Free-air Thermal Current ( $I_{th}$ ) | q = 40 °C 25 A                                                                     |
| Conventional Thermal Current ( $I_{the}$ )         | Fully Enclosed 25 A                                                                |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )      | 8 kV                                                                               |
| Rated Insulation Voltage ( $U_i$ )                 | acc. to IEC/EN 60664-1 750 V                                                       |
| Rated Operational Voltage                          | Main Circuit 750 V                                                                 |
| Rated Short-Circuit Making Capacity ( $I_{cm}$ )   | (690 V) 0.71 kA                                                                    |
| Rated Short-time Withstand Current ( $I_{cw}$ )    | for 1 s 0.5 kA                                                                     |
| Power Loss                                         | at Rated Operating Conditions per Pole 0.3 W                                       |
| Pollution Degree                                   | 3                                                                                  |
| Handle Type                                        | Handle and shaft not included                                                      |
| Fourth Pole Position                               | Left Side                                                                          |
| Fourth Pole Type                                   | Switched - Simultaneous Function                                                   |
| Switches Operating Mechanism                       | Mechanism on Top of the Switch                                                     |
| Distance Between Phases                            | Standard                                                                           |
| Position of Line Terminals                         | Top In - Bottom Out<br>Bottom In - Top Out                                         |
| Operating Mode                                     | Front operated                                                                     |
| Standards                                          | IEC 60947-3 / UL 508 / CSA C22.2 No. 14                                            |
| Special Functions                                  | No                                                                                 |
| Mounting Type                                      | Door mounting                                                                      |
| Number of Poles                                    | 4                                                                                  |
| Cable Cross-Section                                | Cu 0.75...10 mm <sup>2</sup>                                                       |
| Degree of Protection                               | Front IP20                                                                         |
| Terminal Type                                      | Screw Terminals                                                                    |
| Tightening Torque                                  | acc. IEC 60947-1 0.8 N·m                                                           |
| Mechanical Durability                              | 20000                                                                              |
| Lock Type                                          | No                                                                                 |

## Technical UL/CSA

|                                  |                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Operating Voltage UL/CSA | 600 V                                                                                                                                                                                                                                                                         |
| Horsepower Rating UL/CSA         | (110 ... 120 V AC) Single Phase 1 Hp<br>(240 V AC) Single Phase 2 Hp<br>(440 ... 480 V AC) Single Phase 5 Hp<br>(550 ... 600 V AC) Single Phase 7.5 Hp<br>(220 ... 240 V AC) Three Phase 5 Hp<br>(440 ... 480 V AC) Three Phase 10 Hp<br>(550 ... 600 V AC) Three Phase 10 Hp |
| Ampere Rating UL/CSA             | 20 A                                                                                                                                                                                                                                                                          |
| Tightening Torque UL/CSA         | 7 in-lb                                                                                                                                                                                                                                                                       |

## Environmental

|                           |                                   |
|---------------------------|-----------------------------------|
| RoHS Status               | Following EU Directive 2011/65/EU |
| Environmental Information | 1SCC301183D0201                   |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 1SCC301166D2703 |
| Environmental Information      | 1SCC301183D0201 |
| Instructions and Manuals       | 1SCC301056M0006 |
| RoHS Information               | 1SCC301183D0202 |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 67 mm         |
| Package Level 1 Depth / Length | 79 mm         |
| Package Level 1 Height         | 61 mm         |
| Package Level 1 Gross Weight   | 0.14 kg       |
| Package Level 1 EAN            | 6417019389974 |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Object Classification Code | Q                                                          |
| ETIM 5                     | EC000216 - Switch disconnecter                             |
| ETIM 6                     | EC000216 - Switch disconnecter                             |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

