

## PRODUCT-DETAILS

# OT160GT04

## OT160GT04 SWITCH-DISCONNECTOR



### General Information

|                       |                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT160GT04                                                                                                                 |
| Product ID            | 1SCA135137R1001                                                                                                           |
| EAN                   | 6417019638386                                                                                                             |
| Catalog Description   | OT160GT04 SWITCH-DISCONNECTOR                                                                                             |
| Long Description      | 4-pole, front operated, door mounted switch-diconnector with protected clamp terminals, handle and shaft are 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          | 1SCC301089M0204    |
| Mechanical Drawings               | OT160GT4_model.igs |

### Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 150 mm |
| Product Net Height         | 130 mm |
| Product Net Depth / Length | 75 mm  |
| Product Net Weight         | 1 kg   |

## Technical

|                                                             |                                                                                          |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Rated Operational Current AC-21A ( $I_e$ )                  | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                                  |
| Rated Operational Current AC-22A ( $I_e$ )                  | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                                  |
| Rated Operational Current AC-23A ( $I_e$ )                  | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                                  |
| Rated Operational Power AC-23A ( $P_e$ )                    | (220 ... 240 V) 45 kW<br>(400 ... 415 V) 75 kW<br>(500 V) 90 kW<br>(690 V) 132 kW        |
| Conventional Free-air Thermal Current ( $I_{th}$ )          | q = 40 °C 160 A                                                                          |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 160 A                                                                     |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 12 kV                                                                                    |
| Rated Insulation Voltage ( $U_i$ )                          | acc. to IEC/EN 60664-1 1000 V                                                            |
| Rated Operational Voltage                                   | Main Circuit 1000 V                                                                      |
| Rated Short-Circuit Making Capacity ( $I_{cm}$ )            | (690 V) 12 kA                                                                            |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 4 kA                                                                             |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (200 A fuse, 500 V) 100 kA<br>(200 A fuse, 690 V) 50 kA                                  |
| Power Loss                                                  | at Rated Operating Conditions per Pole 6.5 W                                             |
| Pollution Degree                                            | 3                                                                                        |
| Handle Type                                                 | Handle and shaft not included                                                            |
| Fourth Pole Position                                        | Right Side                                                                               |
| Fourth Pole Type                                            | Switched - Simultaneous Function<br>Mechanism at the End of the Switch<br>04 (Left Side) |
| Distance Between Phases                                     | Standard                                                                                 |
| Position of Line Terminals                                  | Top In - Bottom Out<br>Bottom In - Top Out                                               |
| Operating Mode                                              | Front and side operated                                                                  |
| Standards                                                   | IEC 60947-3 / UL 98 / CSA C22.2 NO.4                                                     |
| Special Functions                                           | No                                                                                       |
| Mounting Type                                               | Door mounting                                                                            |
| Number of Poles                                             | 4                                                                                        |
| Cable Cross-Section                                         | Cu 10...70 mm <sup>2</sup>                                                               |
| Degree of Protection                                        | Front IP20                                                                               |
| Terminal Type                                               | Screw Terminals                                                                          |
| Tightening Torque                                           | acc. IEC 60947-1 6 N·m                                                                   |
| Mechanical Durability                                       | 20000                                                                                    |
| Lock Type                                                   | No                                                                                       |

## Technical UL/CSA

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| Maximum Operating Voltage UL/CSA | 600 V                                                                  |
| Horsepower Rating UL/CSA         | (240 V AC) Single Phase 20 Hp<br>(440 ... 480 V AC) Single Phase 30 Hp |
| Ampere Rating UL/CSA             | 125 A                                                                  |
| Tightening Torque UL/CSA         | 53 in·lb                                                               |

## Environmental

|                           |                                   |
|---------------------------|-----------------------------------|
| RoHS Status               | Following EU Directive 2011/65/EU |
| Environmental Information | 1SCC301267D0201                   |

## Certificates and Declarations (Document Number)

|                                |                          |
|--------------------------------|--------------------------|
| Declaration of Conformity - CE | 1SCC301210D2701          |
| DNV GL Certificate             | 1SCC301174D0204          |
| Environmental Information      | 1SCC301267D0201          |
| Instructions and Manuals       | 1SCC301089M0204          |
| RoHS Information               | 1SCC301210D2701          |
| UL Certificate                 | cULus certificate OT160G |

## Container Information

|                                |                  |
|--------------------------------|------------------|
| Package Level 1 Units          | box 1 piece      |
| Package Level 1 Width          | 160 mm<br>6.3 in |
| Package Level 1 Depth / Length | 244 mm<br>9.6 in |
| Package Level 1 Height         | 96 mm<br>3.8 in  |
| Package Level 1 Gross Weight   | 1.1 kg<br>2.4 lb |
| Package Level 1 EAN            | 6417019638386    |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Object Classification Code | Q                                                          |
| ETIM 5                     | EC000216 - Switch disconnecter                             |
| ETIM 6                     | EC000216 - Switch disconnecter                             |
| ETIM 7                     | EC000216 - Switch disconnecter                             |
| ETIM 8                     | EC000216 - Switch disconnecter                             |
| UNSPSC                     | 39122233                                                   |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |

---

## Categories

---

Low Voltage Products and Systems → Switches → Switch Disconnectors

