

## PRODUCT-DETAILS

# OT160G40P

## OT160G40P SWITCH-DISCONNECTOR



### General Information

|                       |                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT160G40P                                                                                                                   |
| Product ID            | 1SCA138216R1001                                                                                                             |
| EAN                   | 6417019666266                                                                                                               |
| Catalog Description   | OT160G40P SWITCH-DISCONNECTOR                                                                                               |
| Long Description      | 4-pole, front operated, base mounted switch-diconnector with protected clamp terminals and with black IP65 handle and shaft |

### Ordering

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

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SCC301018B0201 |
| Instructions and Manuals          | 1SCC301089M0204 |

### Dimensions

|                   |        |
|-------------------|--------|
| Product Net Width | 150 mm |
|-------------------|--------|

|                            |        |
|----------------------------|--------|
| Product Net Height         | 130 mm |
| Product Net Depth / Length | 73 mm  |
| Product Net Weight         | 1.2 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 ( $I_{cw}$ )      | for 1 s 4 kA                                                                      |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | (690 V) 30 kiloampere rms<br>(690 V) 500V;24 kiloampere rms                       |
| Power Loss                                           | at Rated Operating Conditions per Pole 6.5 W                                      |
| Pollution Degree                                     | 3                                                                                 |
| Handle Color                                         | Black                                                                             |
| Handle Type                                          | Handle and shaft included                                                         |
| Fourth Pole Position                                 | Right Side                                                                        |
| Fourth Pole Type                                     | Switched - Simultaneous Function                                                  |
| Switches Operating Mechanism                         | Mechanism at the End of the Switch<br>40 (Right 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                                        | Base 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                                            | Yes                                                                               |

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**Technical UL/CSA**

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|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| 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                                                               |

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**Environmental**

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|-------------|-----------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
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**Certificates and Declarations (Document Number)**

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|                                |                                   |
|--------------------------------|-----------------------------------|
| Declaration of Conformity - CE | 1SCC301210D2701                   |
| DNV GL Certificate             | 1SCC301174D0204                   |
| Instructions and Manuals       | 1SCC301089M0204                   |
| UL Certificate                 | cUL File E101914, Vol. 2, Sec. 22 |

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**Container Information**

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|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 160 mm        |
| Package Level 1 Depth / Length | 244 mm        |
| Package Level 1 Height         | 96 mm         |
| Package Level 1 Gross Weight   | 1.3 kg        |
| Package Level 1 EAN            | 6417019666266 |

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**Classifications**

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

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**Categories**

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Low Voltage Products and Systems → Switches → Switch Disconnectors

