

# OT160G30



Products → Low Voltage Products and Systems → Switches → Switch Disconnectors

## General Information

|                               |   |
|-------------------------------|---|
| <b>Extended Product Type:</b> | OT160G30  |
| <b>Product ID:</b>            | 1SCA138207R1001   |
| <b>EAN:</b>                   | 6417019666174   |
| <b>Catalog Description:</b>   | OT160G30 switch-disconnector  |
| <b>Long Description:</b>      | 3-pole, front operated, base mounted switch-diconnector with protected clamp terminals, handle and shaft are not included |

## Ordering

|                                |          |
|--------------------------------|----------|
| <b>Minimum Order Quantity:</b> | 1 piece  |
| <b>Customs Tariff Number:</b>  | 85365080 |

## Popular Downloads

|   |                 |
|---|-----------------|
| <b>Data Sheet, Technical Information:</b> | 1SCC301018B0201 |
| <b>Instructions and Manuals:</b>          | 1SCC301089M0202 |

## Dimensions

|                            |                |
|----------------------------|----------------|
| <b>Product Net Width:</b>  | 123 mm         |
| <b>Product Net Height:</b> | 130 mm         |
| <b>Product Net Depth:</b>  | 72 mm          |
| <b>Product Net Weight:</b> | 1.1 kg<br>1 kg |

## Technical

|  |  |
|--|--|
| <b>Rated Operational Current AC-21A</b><br>(I <sub>e</sub> ):  | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A  |
| <b>Rated Operational Current AC-22A</b><br>(I <sub>e</sub> ):  | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A  |
| <b>Rated Operational Current AC-23A</b><br>(I <sub>e</sub> ):  | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A  |
| <b>Rated Operational Power AC-23A</b><br>(P <sub>e</sub> ):    | (380 ... 415 V) 75 kW<br>(500 V) 90 kW<br>(690 V) 132 kW |
| <b>Conventional Free-air Thermal Current (I<sub>th</sub>):</b> | q = 40 °C 160 A  |

|   |   |
|---|---|
| <b>Conventional Thermal Current (<math>I_{the}</math>):</b>       | Fully Enclosed 160 A                                  |
| <b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>    | 12 kV   |
| <b>Rated Insulation Voltage (<math>U_i</math>):</b>               | 1000 V  |
| <b>Rated Operational Voltage:</b>                                 | 1000 V  |
| <b>Rated Short-Circuit Making Capacity (<math>I_{cm}</math>):</b> | (690 V AC) 12 kA                                      |
| <b>Rated Short-time Withstand Current (<math>I_{cw}</math>):</b>  | for 1 s 4 kA  |
| <b>Power Loss:</b>  | at Rated Operating Conditions per Pole 6.5 W          |
| <b>Pollution Degree:</b>  | 3   |
| <b>Handle Type:</b>   | Handle and shaft not included                         |
| <b>Switches Operating Mechanism:</b>                              | Mechanism at the End of the Switch<br>30 (Right Side) |
| <b>Distance Between Phases:</b>                                   | Standard  |
| <b>Position of Line Terminals:</b>                                | Top In - Bottom Out<br>Bottom In - Top Out            |
| <b>Operating Mode:</b>  | Front and side operated                               |
| <b>Standards:</b>   | IEC 60947-3, UL 98 / CSA C22.2 NO.4                   |
| <b>Special Functions:</b>   | No  |
| <b>Mounting Type:</b>   | Base mounting   |
| <b>Number of Poles:</b>   | 3   |
| <b>Cable Cross-Section:</b>                                       | 10 ... 70 mm <sup>2</sup>                             |
| <b>Terminal Type:</b>   | Lug terminals   |
| <b>Tightening Torque:</b>   | 6 N·m   |

#### Technical UL/CSA

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

#### Environmental

**RoHS Status:** Following EU Directive 2002/95/EC August 18, 2005 and amendment

#### Certificates and Declarations (Document Number)

|  |                 |
|--|-----------------|
| <b>Declaration of Conformity - CE:</b> | 1SCC301210D2701 |
| <b>DNV GL Certificate:</b>             | 1SCC301174D0204 |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Instructions and Manuals:</b> | 1SCC301089M0202                   |
| <b>UL Certificate:</b>           | cUL File E101914, Vol. 2, Sec. 22 |

## Container Information

|                                      |               |
|--------------------------------------|---------------|
| <b>Package Level 1 Units:</b>        | 1 piece       |
| <b>Package Level 1 Width:</b>        | 160 mm        |
| <b>Package Level 1 Length:</b>       | 210 mm        |
| <b>Package Level 1 Height:</b>       | 96 mm         |
| <b>Package Level 1 Gross Weight:</b> | 1.200 kg      |
| <b>Package Level 1 EAN:</b>          | 6417019666174 |

## Classifications

|                |                                |
|----------------|--------------------------------|
| <b>ETIM 5:</b> | EC000216 - Switch disconnecter |
| <b>ETIM 6:</b> | EC000216 - Switch disconnecter |

