



PRODUCT-DETAILS

# OT160G03/B10

## OT160G03/B10 SWITCH-DISCONNECTOR



| General Information   |                                  |
|-----------------------|----------------------------------|
| Extended Product Type | OT160G03/B10                     |
| Product ID            | 1SCA146245R1001                  |
| EAN                   | 6417019750354                    |
| Catalog Description   | OT160G03/B10 SWITCH-DISCONNECTOR |
| Long Description      | OT160G03/B10 SWITCH-DISCONNECTOR |

| ABB EcoSolutions                        |                 |
|---|-----------------|
| End Of Life Disassembling Instructions  | 1SCC301116M0201 |
| Environmental Information               | 1SCC301267D0201 |
| Environmental Product Declaration - EPD | 1SCC301281D0201 |

### Material Compliance

|   |  |
|---|--|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658  |
| REACH Declaration                           | 1SCC011021D0201  |
| RoHS Information                            | 1SCC011020D0201  |
| RoHS Status                                 | 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       | 1SCC301020C0201   |
| Instructions and Manuals                | 1SCC301089M0204   |
| Mechanical Drawings                     | OT160G3_model.igs |
| Environmental Product Declaration - EPD | 1SCC301281D0201   |

### Environmental

|                           |                 |
|---------------------------|-----------------|
| Degree of Protection      | Front IP20      |
| Environmental Information | 1SCC301267D0201 |
| Pollution Degree          | 3               |

### Ordering

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

### Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 123 mm |
| Product Net Height         | 130 mm |
| Product Net Depth / Length | 73 mm  |
| Product Net Weight         | 7.8 kg |

### Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 10 piece  |
| Package Level 1 Width          | 380 mm        |
| Package Level 1 Depth / Length | 390 mm        |
| Package Level 1 Height         | 150 mm        |
| Package Level 1 Gross Weight   | 8.7 kg        |
| Package Level 1 EAN            | 6417019750354 |

### Technical

|   |   |
|---|---|
| Cable Cross-Section   | Cu 10 ... 70 mm <sup>2</sup>  |
| Conventional Thermal Current (I <sub>the</sub> )                  | Fully Enclosed 160 A  |
| Degree of Protection  | Front IP20  |
| Handle Type   | Handle and shaft not included   |
| Lock Type   | No  |
| Mechanical Durability   | 20000   |
| Number of Poles   | 3P  |
| Pollution Degree  | 3   |
| Power Loss  | at Rated Operating Conditions per Pole 6.5 W                                      |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | 12 kV   |
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC/EN 60664-1 1000 V   |
| Rated Operational Current AC-22A (I <sub>e</sub> )                | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                           |
| Rated Operational Current AC-23A (I <sub>e</sub> )                | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                           |
| Rated Operational Power AC-23A (P <sub>e</sub> )                  | (220 ... 240 V) 45 kW<br>(400 ... 415 V) 75 kW<br>(500 V) 90 kW<br>(690 V) 132 kW |
| Rated Operational Voltage   | Main Circuit 1000 V   |
| Rated Short-Circuit Making Capacity (I <sub>cm</sub> )            | (690 V) 12 kA   |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | for 1 s 4 kA  |
| Standards   | IEC 60947-3 / UL 98 / CSA C22.2 NO.4  |
| Terminal Type   | Screw Terminals   |
| Tightening Torque   | acc. IEC 60947-1 6 N·m  |

## Technical UL/CSA

|                                  |  |
|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | 600 V  |
| Ampere Rating                    | 125 A  |
| Horsepower Rating UL/CSA         | (240 V AC) Single Phase 20 Hp<br>(440 ... 480 V AC) Single Phase 30 Hp |
| Tightening Torque                | acc. IEC 60947-1 6 N·m   |

## Certificates and Declarations

|                                |                          |
|--------------------------------|--------------------------|
| A2L Certificate – IEC          | 1SCC301336D0201          |
| Declaration of Conformity - CE | 1SCC301210D2701          |
| UL Certificate                 | cULus certificate OT160G |

## External Classifications and Standards

|                            |          |
|----------------------------|----------|
| Object Classification Code | Q        |
| UNSPSC                     | 39122233 |

IDEA Granular Category  
Code (IGCC)

5290 >> Disconnect switch

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



360°