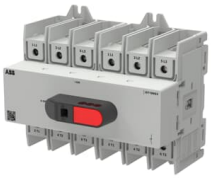
PRODUCT-DETAILS

# OT100G3-6BS

## OT100G3-6BS SWITCH DISCONNECTOR



### General Information

| | |
|---|---|
| **Extended Product Type:** | OT100G3-6BS |
| **Product ID:** | 1SCA162667R1001 |
| **EAN:** | 6417019926520 |
| **Catalog Description:** | OT100G3-6BS SWITCH DISCONNECTOR |
| **Long Description:** | OT Plus Switch disconnector series. 6-pole front operated base mounted DIN-rail mountable switch disconnector. The switch disconnector has inbuilt screw terminals and comes with universal direct-mounted knob handle that can be padlocked and shaft can be mounted for external operation. |
| **Display Name:** | OT100G3-6BS |

### ABB EcoSolutions

| | |
|---|---|
| **ABB EcoSolutions:** | Yes |
| **End Of Life Disassembling Instructions:** | 1SCC301146M0201 |
| **Environmental Information:** | 1SCC301334D0201 |
| **Environmental Product Declaration - EPD:** | 1SCC301334D0201 |

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## Material Compliance

| | |
|---|---|
| **Conflict Minerals Reporting Template (CMRT):** | 9AKK108467A5658 |
| **REACH Declaration:** | 1SCC011021D0201 |
| **RoHS Declaration:** | 1SCC011020D0201 |
| **RoHS Information:** | 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:** | 9AKK108468A5537<br>1SCC301020C0201 |
| **Instructions and Manuals:** | 1SCC301150M0202 |
| **Mechanical Drawings:** | OT30_160G3_6B_SR.STP |

## Environmental

| | |
|---|---|
| **Degree of Protection:** | Front IP20 |
| **Pollution Degree:** | 3 |

## Ordering

| | |
|---|---|
| **Minimum Order Quantity:** | 1 piece |
| **Customs Tariff Number:** | 85365080 |
| **Country of Origin:** | Finland |

## Dimensions

| | |
|---|---|
| **Product Net Width:** | 123 mm |
| **Product Net Height:** | 140 mm |
| **Product Net Depth / Length:** | 95 mm |
| **Product Net Weight:** | 0.875 kg |

## Container Information

| | |
|---|---|
| **Package Level 1 Units:** | box 1 piece |
| **Package Level 1 Width:** | 102 mm |
| **Package Level 1 Depth / Length:** | 144 mm |
| **Package Level 1 Height:** | 127 mm |
| **Package Level 1 Gross Weight:** | 0.930 kg |
| **Package Level 1 EAN:** | 6417019926520 |

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## Technical

| | |
|---|---|
| **Color:** | Grey |
| **Connecting Capacity Main Circuit:** | Flexible with Ferrule 1/2x Cu 2.5…4 mm²<br>Solid 1/2x Cu 2.5…6 mm²<br>Flexible 1x Cu 2.5…70 mm²<br>Flexible 2x Cu 2.5…25 mm²<br>Stranded 1x Cu 2.5…70 mm²<br>Stranded 2x Cu 2.5…25 mm² |
| **Conventional Free-air Thermal Current ($I_{th}$):** | 100 A |
| **Conventional Thermal Current ($I_{the}$):** | 100 A |
| **Handle Color:** | Black |
| **Handle Length:** | 57 mm |
| **Handle Type:** | Knob |
| **Lock Type:** | Padlockable |
| **Maximum Mounted Auxiliary Contacts:** | 4 NO, 4 NC |
| **Mounting Type:** | Base/DIN mounting |
| **Number of Poles:** | 6P |
| **Operating Mode:** | Front |
| **Position of Line Terminals:** | Top In - Bottom Out<br>Bottom In - Top Out |
| **Power Loss:** | at Rated Operating Conditions per Pole 3.7 W |
| **Rated Conditional Short-Circuit Current ($I_{nc}$):** | (125 A fuse, 415 V) 50 kA<br>(80 A fuse, 690 V) 50 kA |
| **Rated Impulse Withstand Voltage ($U_{imp}$):** | 8 kV |
| **Rated Insulation Voltage ($U_i$):** | acc. to IEC 60947-1 800 V |
| **Rated Operational Current AC-21A ($I_e$):** | (415 V) 100 A<br>(500 V) 100 A<br>(690 V) 100 A<br>(800 V) 80 A |
| **Rated Operational Current AC-22A ($I_e$):** | (415 V) 100 A<br>(500 V) 100 A<br>(690 V) 100 A<br>(800 V) 45 A |
| **Rated Operational Current AC-23A ($I_e$):** | (415 V) 100 A<br>(500 V) 70 A<br>(690 V) 63 A |
| **Rated Operational Power AC-23A ($P_e$):** | (415 V) 55 kW<br>(500 V) 45 kW<br>(690 V) 55 kW |
| **Rated Operational Voltage:** | Main Circuit 800 V |
| **Rated Short-Circuit Making Capacity ($I_{cm}$):** | (690 V) 4.8 kA |
| **Rated Short-time Withstand Current Low Voltage ($I_{cw}$):** | for 1 s 2.5 kA<br>for 0.2 s 3.3 kA |
| **Recommended Screw Driver:** | Main Circuit Hexagon 4 |
| **Special Functions:** | No |

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| | |
|---|---|
| **Standards:** | IEC60947-3<br>UL98<br>CSA C22.2 No.4 |
| **Switches Operating Mechanism:** | Mechanism on Top of the Switch |
| **Terminal Type:** | Screw Terminals |
| **Tightening Torque:** | acc. IEC 60947-1 6 N·m |
| **Wire Stripping Length:** | Main Circuit 16-18 mm<br>Main Circuit 0.63-0.71 in |

## Technical UL/CSA

| | |
|---|---|
| **Maximum Operating Voltage UL/CSA:** | 600 V |
| **Ampere Rating:** | 100 A |
| **Horsepower Rating UL/CSA:** | (110 ... 120 V AC) Single Phase 5 Hp<br>(240 V AC) Single Phase 15 Hp<br>(440 ... 480 V AC) Single Phase 25 Hp<br>(550 ... 600 V AC) Single Phase 30 Hp<br>(110 ... 120 V AC) Three Phase 10 Hp<br>(240 V AC) Three Phase 30 Hp<br>(440 ... 480 V AC) Three Phase 50 Hp<br>(550 ... 600 V AC) Three Phase 60 Hp |
| **Wire Size:** | 1x 12-2/0 AWG<br>2x 12-4 AWG |
| **Tightening Torque UL/CSA:** | UL 53 N·m |

## Certificates and Declarations

| | |
|---|---|
| **CCC Certificate:** | CCC OT30-160G3 |
| **Declaration of Conformity - CE:** | 1SCC301328D2701 |
| **DNV Certificate:** | 1SCC301347D0201 |

## External Classifications and Standards

| | |
|---|---|
| **Object Classification Code:** | Q |
| **ETIM 9:** | EC000216 - Switch disconnector (low voltage) |
| **ETIM 10:** | EC000216 - Switch disconnector (AC) |
| **UNSPSC:** | 39122233 |
| **IDEA Granular Category Code (IGCC):** | 5290 >> Disconnect switch |
| **eClass:** | V11.1 : 27371403 |
| **WEEE Category:** | 5. Small Equipment (No External Dimension More Than 50 cm) |
| **E-Number (Finland):** | 3660467 |
| **E-Number (Norway):** | 4384738 |
| **E-Number (Sweden):** | 3172275 |

## Categories

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

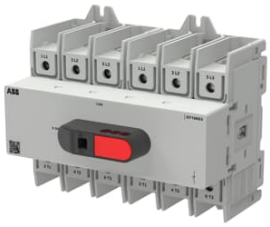






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