



PRODUCT-DETAILS

OT80G3-4BSN2**OT80G3-4BSN2 SWITCH DISCONNECTOR****General Information**

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|-------------------------------|---|
| Extended Product Type: | OT80G3-4BSN2 |
| Product ID: | 1SCA162572R1001 |
| EAN: | 6417019926070 |
| Catalog Description: | OT80G3-4BSN2 SWITCH DISCONNECTOR |
| Long Description: | OT Plus Switch disconnecter series. 4-pole front operated base mounted DIN-rail mountable switch disconnecter suitable for panels with 45mm DIN cut-out. The switch disconnecter has inbuilt screw terminals and comes with direct-mounted knob handle that can be padlocked and shaft can be mounted for external operation. |
| Display Name: | OT80G3-4BSN2 |

ABB EcoSolutions

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

Material Compliance

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| 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 1SCC301020C0201 |
| Instructions and Manuals: | 1SCC301127M0201 |
| Mechanical Drawings: | OT30_160G3_4BSN2.stp |

Environmental

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

Ordering

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|--------------------------------|----------|
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85363030 |
| Country of Origin: | Finland |

Dimensions

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| Product Net Width: | 95.5 mm |
| Product Net Height: | 123 mm |
| Product Net Depth / Length: | 74.6 mm |
| Product Net Weight: | 0.521 kg |

Container Information

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| Package Level 1 Units: | box 1 piece |
| Package Level 1 Width: | 102 mm |
| Package Level 1 Depth / Length: | 129 mm |
| Package Level 1 Height: | 79 mm |
| Package Level 1 Gross Weight: | 0.588 kg |
| Package Level 1 EAN: | 6417019926070 |
| Package Level 2 Units: | carton 10 piece |

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|---------------------------------|---------|
| Package Level 2 Width: | 526 mm |
| Package Level 2 Depth / Length: | 280 mm |
| Package Level 2 Height: | 93 mm |
| Package Level 2 Gross Weight: | 5.88 kg |

Technical

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| Color: | Grey |
| Connecting Capacity Main Circuit: | Flexible with Ferrule 1/2x Cu 2.5...4 mm ² Solid 1/2x Cu 2.5...6 mm ² Flexible 1x Cu 2.5...70 mm ² Flexible 2x Cu 2.5...25 mm ² Stranded 1x Cu 2.5...70 mm ² Stranded 2x Cu 2.5...25 mm ² |
| Conventional Free-air Thermal Current (I_{th80A}): | |
| Conventional Thermal Current (I_{the}): | 80 A |
| Fourth Pole Position: | Right Side |
| Fourth Pole Type: | Switched - Simultaneous Function Switched - Late-break and Early-make |
| Handle Color: | Black |
| Handle Length: | 37 mm |
| Handle Type: | Knob |
| Lock Type: | Padlockable |
| Maximum Mounted Auxiliary Contacts: | 4 NO, 4 NC |
| Mechanical Durability: | Nr. Operations 100000 |
| Mounting Type: | Base/DIN mounting |
| Number of Poles: | 4P |
| Operating Mode: | Front |
| Position of Line Terminals: | Top In - Bottom Out Bottom In - Top Out |
| Power Loss: | at Rated Operating Conditions per Pole 2.5 W |
| Rated Conditional Short-Circuit Current (I_{nc}): | (100 A fuse, ≤ 415 V) 50 kA (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) 80 A (690 V) 80 A (800 V AC) 63 A |
| Rated Operational Current AC-22A (I_e): | (415 V) 80 A (690 V) 80 A (800 V) 40 A |
| Rated Operational Current AC-23A (I_e): | (415 V) 80 A (690 V) 63 A |
| Rated Operational Power AC-23A (P_e): | (415 V) 45 kW (690 V) 55 kW |
| Rated Operational Voltage: | Main Circuit 800 V |
| Rated Short-Circuit Making Capacity (I_{cm}): | (690 V) 4.8 kA |

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| Rated Short-time Withstand Current Low Voltage (I_{cw}): | for 1 s 2.5 kA for 0.2 s 3.3 kA |
| Recommended Screw Driver: | Main Circuit Hexagon 4 |
| Special Functions: | No |
| Standards: | IEC60947-3 |
| 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 Main Circuit 0.63-0.71 in |

Technical UL/CSA

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|----------------------------------|--------------|
| Tightening Torque UL/CSA: | UL 53 lbf·in |
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Certificates and Declarations

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

External Classifications and Standards

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| Object Classification Code: | Q |
| ETIM 9: | EC000216 - Switch disconnecter (low voltage) |
| ETIM 10: | EC000216 - Switch disconnecter (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): | 3642569 |
| E-Number (Norway): | 4384731 |
| E-Number (Sweden): | 3172136 |

Categories

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

