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 PRODUCT-DETAILS

# OT160G3-3BS

## OT160G3-3BS SWITCH DISCONNECTOR




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### General Information

|                               |   |
|-------------------------------|---|
| <b>Extended Product Type:</b> | OT160G3-3BS   |
| <b>Product ID:</b>            | 1SCA162522R1001   |
| <b>EAN:</b>                   | 6417019925554   |
| <b>Catalog Description:</b>   | OT160G3-3BS SWITCH DISCONNECTOR   |
| <b>Long Description:</b>      | OT Plus Switch disconnecter series. 3-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. |
| <b>Display Name:</b>          | OT160G3-3BS   |

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### ABB EcoSolutions

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

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## Material Compliance

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|   |  |
|---|--|
| <b>Conflict Minerals Reporting Template (CMRT):</b> | 9AKK108467A5658  |
| <b>REACH Declaration:</b>                           | 1SCC011021D0201  |
| <b>RoHS Declaration:</b>                            | 1SCC011020D0201  |
| <b>RoHS Information:</b>                            | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| <b>Toxic Substances Control Act - TSCA:</b>         | 1SCC011025D0201  |

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## Popular Downloads

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|   |                                    |
|---|------------------------------------|
| <b>Data Sheet, Technical Information:</b> | 9AKK108468A5537<br>1SCC301020C0201 |
| <b>Instructions and Manuals:</b>          | 1SCC301127M0201                    |
| <b>Mechanical Drawings:</b>               | OT30_160G3_3BS.stp                 |

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## Environmental

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|------------------------------|------------|
| <b>Degree of Protection:</b> | Front IP20 |
| <b>Pollution Degree:</b>     | 3          |

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## Ordering

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|                                |          |
|--------------------------------|----------|
| <b>Minimum Order Quantity:</b> | 1 piece  |
| <b>Customs Tariff Number:</b>  | 85363090 |
| <b>Country of Origin:</b>      | Finland  |

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## Dimensions

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|                                    |          |
|------------------------------------|----------|
| <b>Product Net Width:</b>          | 70 mm    |
| <b>Product Net Height:</b>         | 123 mm   |
| <b>Product Net Depth / Length:</b> | 74.6 mm  |
| <b>Product Net Weight:</b>         | 0.399 kg |

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## Container Information

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|  |                 |
|--|-----------------|
| <b>Package Level 1 Units:</b>          | box 1 piece     |
| <b>Package Level 1 Width:</b>          | 76 mm           |
| <b>Package Level 1 Depth / Length:</b> | 129 mm          |
| <b>Package Level 1 Height:</b>         | 79 mm           |
| <b>Package Level 1 Gross Weight:</b>   | 0.453 kg        |
| <b>Package Level 1 EAN:</b>            | 6417019925554   |
| <b>Package Level 2 Units:</b>          | carton 10 piece |

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|                                 |         |
|---------------------------------|---------|
| Package Level 2 Width:          | 398 mm  |
| Package Level 2 Depth / Length: | 280 mm  |
| Package Level 2 Height:         | 93 mm   |
| Package Level 2 Gross Weight:   | 4.53 kg |

## Technical

|  |  |
|--|--|
| Color:   | Grey   |
| Connecting Capacity Main Circuit:                                  | Flexible with Ferrule 1/2x Cu 2.5...4 mm <sup>2</sup><br>Solid 1/2x Cu 2.5...6 mm <sup>2</sup><br>Flexible 1x Cu 2.5...70 mm <sup>2</sup><br>Flexible 2x Cu 2.5...25 mm <sup>2</sup><br>Stranded 1x Cu 2.5...70 mm <sup>2</sup><br>Stranded 2x Cu 2.5...25 mm <sup>2</sup> |
| Conventional Free-air Thermal Current (I <sub>th</sub> 160 A):     |  |
| Conventional Thermal Current (I <sub>the</sub> ):                  | 160 A  |
| 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:   | 3P   |
| Operating Mode:  | Front  |
| Position of Line Terminals:  | Top In - Bottom Out<br>Bottom In - Top Out   |
| Power Loss:  | at Rated Operating Conditions per Pole 7.3 W   |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> ):        | (160 A fuse, 400 V) 5 kA<br>(125 A fuse, 415 V) 50 kA<br>(80 A fuse, 690 V) 50 kA  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV   |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | acc. to IEC 60947-1 800 V  |
| Rated Operational Current AC-21A (I <sub>e</sub> ):                | (415 V) 160 A<br>(690 V) 125 A<br>(800 V AC) 80 A  |
| Rated Operational Current AC-22A (I <sub>e</sub> ):                | (415 V) 160 A<br>(690 V) 125 A<br>(800 V) 63 A   |
| Rated Operational Current AC-23A (I <sub>e</sub> ):                | (415 V) 125 A<br>(690 V) 63 A  |
| Rated Operational Power AC-23A (P <sub>e</sub> ):                  | (415 V) 55 kW<br>(690 V) 55 kW   |
| Rated Operational Voltage:   | Main Circuit 800 V   |
| Rated Short-Circuit Making Capacity (I <sub>cm</sub> ):            | (690 V) 4.8 kA   |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 2.5 kA<br>for 0.2 s 3.3 kA   |

|                                      |  |
|--------------------------------------|--|
| <b>Recommended Screw Driver:</b>     | Main Circuit Hexagon 4                             |
| <b>Special Functions:</b>            | No   |
| <b>Standards:</b>                    | IEC60947-3   |
| <b>Switches Operating Mechanism:</b> | Mechanism on Top of the Switch                     |
| <b>Terminal Type:</b>                | Screw Terminals                                    |
| <b>Tightening Torque:</b>            | acc. IEC 60947-1 6 N·m                             |
| <b>Wire Stripping Length:</b>        | Main Circuit 16-18 mm<br>Main Circuit 0.63-0.71 in |

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## Technical UL/CSA

|                                  |              |
|----------------------------------|--------------|
| <b>Tightening Torque UL/CSA:</b> | UL 53 lbf·in |
|----------------------------------|--------------|

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## Certificates and Declarations

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

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## External Classifications and Standards

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| <b>Object Classification Code:</b>         | Q  |
| <b>ETIM 9:</b>                             | EC000216 - Switch disconnecter (low voltage)               |
| <b>ETIM 10:</b>                            | EC000216 - Switch disconnecter (AC)                        |
| <b>UNSPSC:</b>                             | 39122233   |
| <b>IDEA Granular Category Code (IGCC):</b> | 5290 >> Disconnect switch                                  |
| <b>eClass:</b>                             | V11.1 : 27371403   |
| <b>WEEE Category:</b>                      | 5. Small Equipment (No External Dimension More Than 50 cm) |
| <b>E-Number (Finland):</b>                 | 3642579  |
| <b>E-Number (Norway):</b>                  | 4384747  |
| <b>E-Number (Sweden):</b>                  | 3172170  |

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## Categories

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

