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 PRODUCT-DETAILS

# OT63G1-6BS

## OT63G1-6BS SWITCH DISCONNECTOR




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### General Information

|                               |   |
|-------------------------------|---|
| <b>Extended Product Type:</b> | OT63G1-6BS  |
| <b>Product ID:</b>            | 1SCA163727R1001   |
| <b>EAN:</b>                   | 6417019931920   |
| <b>Catalog Description:</b>   | OT63G1-6BS SWITCH DISCONNECTOR  |
| <b>Long Description:</b>      | OT Plus Switch disconnecter series. 6-pole front operated base mounted DIN-rail mountable switch disconnecter. The switch disconnecter has inbuilt screw terminals and comes with universal direct-mounted knob handle that can be padlocked and shaft can be mounted for external operation. |
| <b>Display Name:</b>          | OT63G1-6BS  |

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### ABB EcoSolutions

|   |   |
|---|---|
| <b>ABB EcoSolutions:</b>                                | Yes   |
| <b>ABB Site Meeting Group Waste To Landfill Target:</b> | No non-hazardous waste is sent to a landfill<br>UL 2799 Zero Waste To Landfill Validation available |
| <b>End Of Life Disassembling Instructions:</b>          | 1SCC301152M0201   |
| <b>Environmental Product Declaration - EPD:</b>         | 1SCC301349D0201   |
| <b>Extended Product Lifetime:</b>                       | Product Durability  |

|   |  |
|---|--|
| <b>Improved Energy Efficiency for Customers:</b>          | Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line |
| <b>Recyclability Rate of the Product acc. to EN45555:</b> | Design for Closing Resource Loops - Standard EN45555 - 92.5 %  |
| <b>Sustainable Material Content in Packaging (wt. %):</b> | FSC 100% Cardboard - 35.9 %<br>FSC 100% Cardboard - 41.98 %<br>FSC 100% Cardboard - 22.12 %  |

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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

|                                  |                     |
|----------------------------------|---------------------|
| <b>Instructions and Manuals:</b> | 1SCC301151M0201     |
| <b>Mechanical Drawings:</b>      | OT16_63G1-6B_SR.STP |

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## Environmental

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

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## Ordering

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

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## Dimensions

|                                    |          |
|------------------------------------|----------|
| <b>Product Net Width:</b>          | 70 mm    |
| <b>Product Net Height:</b>         | 68 mm    |
| <b>Product Net Depth / Length:</b> | 74.2 mm  |
| <b>Product Net Weight:</b>         | 0.263 kg |

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## Container Information

|                               |             |
|-------------------------------|-------------|
| <b>Package Level 1 Units:</b> | box 1 piece |
|-------------------------------|-------------|

|                                 |               |
|---------------------------------|---------------|
| Package Level 1 Width:          | 72 mm         |
| Package Level 1 Depth / Length: | 75 mm         |
| Package Level 1 Height:         | 78 mm         |
| Package Level 1 Gross Weight:   | 0.281 kg      |
| Package Level 1 EAN:            | 6417019931920 |

## Technical

|  |  |
|--|--|
| Connecting Capacity Main Circuit:                            | Flexible with Ferrule 1/2x Cu 0.75...4 mm <sup>2</sup><br>Solid 1/2x Cu 0.75...6 mm <sup>2</sup><br>Flexible 1x Cu 1.5...16 mm <sup>2</sup><br>Flexible 2x Cu 1.5...6 mm <sup>2</sup><br>Stranded 1x Cu 1.5...16 mm <sup>2</sup><br>Stranded 2x Cu 1.5...6 mm <sup>2</sup> |
| Conventional Free-air Thermal Current ( $I_{th}$ 63 A):      |  |
| Conventional Thermal Current ( $I_{the}$ ):                  | 63 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:   | 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 2.4 W   |
| 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) 63 A<br>(690 V) 63 A   |
| Rated Operational Current AC-22A ( $I_e$ ):                  | (415 V) 63 A<br>(690 V) 40 A   |
| Rated Operational Current AC-23A ( $I_e$ ):                  | (415 V) 40 A<br>(690 V) 25 A   |
| Rated Operational Power AC-23A ( $P_e$ ):                    | (415 V) 18.5 kW<br>(690 V) 22 kW   |
| Rated Operational Voltage:                                   | Main Circuit 800 V   |
| Rated Short-Circuit Making Capacity ( $I_{cm}$ ):            | (690 V) 1.76 kA  |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ): | for 1 s 0.8 kA<br>for 0.2 s 1.25 kA  |
| Recommended Screw Driver:                                    | Main Circuit Pozidriv 2  |
| Switches Operating Mechanism:                                | Mechanism on Top of the Switch   |
| Terminal Type:   | Screw Terminals  |
| Tightening Torque:   | acc. IEC 60947-1 1 N·m   |

|                               |   |
|-------------------------------|---|
| <b>Wire Stripping Length:</b> | Main Circuit 9-10 mm<br>Main Circuit 0.35-0.39 in |
|-------------------------------|---|

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## Technical UL/CSA

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| <b>Maximum Operating Voltage UL/CSA:</b> | 600 V  |
| <b>Ampere Rating:</b>                    | 50 A   |
| <b>Horsepower Rating UL/CSA:</b>         | (110 ... 120 V AC) Single Phase 2 Hp<br>(240 V AC) Single Phase 5 Hp<br>(440 ... 480 V AC) Single Phase 10 Hp<br>(550 ... 600 V AC) Single Phase 15 Hp<br>(240 V AC) Three Phase 10 Hp<br>(440 ... 480 V AC) Three Phase 25 Hp<br>(550 ... 600 V AC) Three Phase 30 Hp |
| <b>Wire Size:</b>                        | 1x 18-6 AWG<br>2x 16-10 AWG  |
| <b>Tightening Torque UL/CSA:</b>         | UL 1 lbf·in  |

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## Certificates and Declarations

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|--|-----------------|
| <b>CCC Certificate:</b>                | CCC OT16-63G1   |
| <b>Declaration of Conformity - CE:</b> | 1SCC301348D2701 |
| <b>DNV Certificate:</b>                | 1SCC301347D0201 |
| <b>UL Certificate:</b>                 | 1SCC301345D0201 |

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## External Classifications and Standards

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| <b>ETIM 9:</b>                             | EC000216 - Switch disconnecter (low voltage)               |
| <b>ETIM 10:</b>                            | EC000216 - Switch disconnecter (AC)                        |
| <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>                 | 3660561  |
| <b>E-Number (Sweden):</b>                  | 3172256  |

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## Categories

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

