



 PRODUCT-DETAILS

OT40G1-3DS

OT40G1-3DS SWITCH DISCONNECTOR



General Information

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| Extended Product Type: | OT40G1-3DS |
| Product ID: | 1SCA163483R1001 |
| EAN: | 6417019931296 |
| Catalog Description: | OT40G1-3DS SWITCH DISCONNECTOR |
| Long Description: | OT Plus Switch disconnecter series. 3-pole front operated door mounted switch disconnecter. The switch disconnecter has inbuilt screw terminals. Handle is not included. |
| Display Name: | OT40G1-3DS |

ABB EcoSolutions

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

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

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

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| Instructions and Manuals: | 1SCC301148M0201 |
| Mechanical Drawings: | OT16_63G1_3D_SR.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: | 43 mm |
| Product Net Height: | 65 mm |
| Product Net Depth / Length: | 59 mm |
| Product Net Weight: | 0.121 kg |

Container Information

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| Package Level 1 Units: | box 1 piece |
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| Package Level 1 Width: | 45 mm |
| Package Level 1 Depth / Length: | 68 mm |
| Package Level 1 Height: | 61 mm |
| Package Level 1 Gross Weight: | 0.141 kg |
| Package Level 1 EAN: | 6417019931296 |
| Package Level 2 Units: | carton 10 piece |
| Package Level 2 Width: | 91 mm |
| Package Level 2 Depth / Length: | 263 mm |
| Package Level 2 Height: | 170 mm |
| Package Level 2 Gross Weight: | 1.41 kg |

Technical

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| Connecting Capacity Main Circuit: | Flexible with Ferrule 1/2x Cu 0.75...4 mm ² Solid 1/2x Cu 0.75...6 mm ² Flexible 1x Cu 1.5...16 mm ² Flexible 2x Cu 1.5...6 mm ² Stranded 1x Cu 1.5...16 mm ² Stranded 2x Cu 1.5...6 mm ² |
| Conventional Free-air Thermal Current (I_{th40A}): | |
| Conventional Thermal Current (I_{the}): | 40 A |
| Handle Type: | Handle Not Included |
| Maximum Mounted Auxiliary Contacts: | 4 NO, 4 NC |
| Mechanical Durability: | Nr. Operations 100000 |
| Mounting Type: | Door mounting |
| Number of Poles: | 3P |
| Operating Mode: | Front |
| Position of Line Terminals: | Top In - Bottom Out Bottom In - Top Out |
| Power Loss: | at Rated Operating Conditions per Pole 1.0 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) 40 A (690 V) 40 A |
| Rated Operational Current AC-22A (I_e): | (415 V) 40 A (690 V) 40 A |
| Rated Operational Current AC-23A (I_e): | (415 V) 40 A (690 V) 25 A |
| Rated Operational Power AC-23A (P_e): | (415 V) 18.5 kW (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 for 0.2 s 1.25 kA |
| Recommended Screw Driver: | Main Circuit Pozidriv 2 |
| Switches Operating Mechanism: | Mechanism on Top of the Switch |

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| Terminal Type: | Screw Terminals |
| Tightening Torque: | acc. IEC 60947-1 1 N·m |
| Wire Stripping Length: | Main Circuit 9-10 mm Main Circuit 0.35-0.39 in |

Technical UL/CSA

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| Maximum Operating Voltage UL/CSA: | 600 V |
| Ampere Rating: | 40 A |
| Horsepower Rating UL/CSA: | (110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 5 Hp (440 ... 480 V AC) Single Phase 10 Hp (550 ... 600 V AC) Single Phase 15 Hp (240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 20 Hp (550 ... 600 V AC) Three Phase 25 Hp |
| Wire Size: | 1x 18-6 AWG 2x 16-10 AWG |
| Tightening Torque UL/CSA: | UL 1 lbf·in |

Certificates and Declarations

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

External Classifications and Standards

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| ETIM 9: | EC000216 - Switch disconnecter (low voltage) |
| ETIM 10: | EC000216 - Switch disconnecter (AC) |
| 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): | 3660574 |
| E-Number (Sweden): | 3172237 |

Categories

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

