



 PRODUCT-DETAILS

OT25G1-4MSN2

OT25G1-4MSN2 SWITCH DISCONNECTOR



General Information

| | |
|-------------------------------|---|
| Extended Product Type: | OT25G1-4MSN2 |
| Product ID: | 1SCA163446R1001 |
| EAN: | 6417019931159 |
| Catalog Description: | OT25G1-4MSN2 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. |
| Display Name: | OT25G1-4MSN2 |

ABB EcoSolutions

| | |
|---|---|
| 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 |

| | |
|---|--|
| 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

| | |
|---|--|
| 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

| | |
|----------------------------------|------------------------|
| Instructions and Manuals: | 1SCC301149M0201 |
| Mechanical Drawings: | OT16_63G1_4M_N2_SR.STP |

Environmental

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

Ordering

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

Dimensions

| | |
|------------------------------------|----------|
| Product Net Width: | 46 mm |
| Product Net Height: | 68 mm |
| Product Net Depth / Length: | 74 mm |
| Product Net Weight: | 0.166 kg |

Container Information

| | |
|-------------------------------|-------------|
| Package Level 1 Units: | box 1 piece |
|-------------------------------|-------------|

| | |
|---------------------------------|-----------------|
| Package Level 1 Width: | 48 mm |
| Package Level 1 Depth / Length: | 71 mm |
| Package Level 1 Height: | 74 mm |
| Package Level 1 Gross Weight: | 0.189 kg |
| Package Level 1 EAN: | 6417019931159 |
| Package Level 2 Units: | carton 10 piece |
| Package Level 2 Width: | 91 mm |
| Package Level 2 Depth / Length: | 298 mm |
| Package Level 2 Height: | 170 mm |
| Package Level 2 Gross Weight: | 1.89 kg |

Technical

| | |
|--|--|
| 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_{th25A}): | |
| Conventional Thermal Current (I_{the}): | 25 A |
| Fourth Pole Position: | Right Side |
| Fourth Pole Type: | Switched - Simultaneous Function Switched - Late-break and Early-make |
| Handle Color: | Black |
| Handle Length: | 28.5 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 0.4 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) 25 A (690 V) 25 A |
| Rated Operational Current AC-22A (I_e): | (415 V) 25 A (690 V) 25 A |
| Rated Operational Current AC-23A (I_e): | (415 V) 25 A (690 V) 25 A |
| Rated Operational Power AC-23A (P_e): | (415 V) 11 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

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

Maximum Operating Voltage UL/CSA: 600 V

Ampere Rating: 30 A

Horsepower Rating UL/CSA: (110 ... 120 V AC) Single Phase 1.5 Hp
(240 V AC) Single Phase 3 Hp
(440 ... 480 V AC) Single Phase 7.5 Hp
(550 ... 600 V AC) Single Phase 10 Hp
(240 V AC) Three Phase 7.5 Hp
(440 ... 480 V AC) Three Phase 15 Hp
(550 ... 600 V AC) Three Phase 20 Hp

Tightening Torque UL/CSA: UL 1 lbf·in

Certificates and Declarations

CCC Certificate: CCC OT16-63G1

Declaration of Conformity - CE: 1SCC301348D2701

DNV Certificate: 1SCC301347D0201

UL Certificate: 1SCC301345D0201

External Classifications and Standards

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): 3660497

E-Number (Sweden): 3172231

Categories

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



ABB
Eco
Solutions™