



PRODUCT-DETAILS

# OT25G1-3DS

## OT25G1-3DS SWITCH DISCONNECTOR



| General Information    |                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type: | OT25G1-3DS                                                                                                                                                               |
| Product ID:            | 1SCA163422R1001                                                                                                                                                          |
| EAN:                   | 6417019931067                                                                                                                                                            |
| Catalog Description:   | OT25G1-3DS 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:          | OT25G1-3DS                                                                                                                                                               |

| ABB EcoSolutions                                 |                                                                                                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| ABB EcoSolutions:                                | Yes                                                                                                 |
| ABB Site Meeting Group Waste To Landfill Target: | No non-hazardous waste is sent to a landfill<br>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 %<br>FSC 100% Cardboard - 41.98 %<br>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: | 1SCC301148M0201     |
| Mechanical Drawings:      | OT16_63G1_3D_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:          | 43 mm    |
| Product Net Height:         | 65 mm    |
| Product Net Depth / Length: | 59 mm    |
| Product Net Weight:         | 0.121 kg |

Container Information

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

|                                 |                 |
|---------------------------------|-----------------|
| 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:            | 6417019931067   |
| 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

|                                                           |                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <sub>th</sub> ): | 25 A                                                                                                                                                                                                                                                                       |
| Conventional Thermal Current (I <sub>the</sub> ):         | 25 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<br>Bottom In - Top Out                                                                                                                                                                                                                                 |
| Power Loss:                                               | at Rated Operating Conditions per Pole 0.4 W                                                                                                                                                                                                                               |
| 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) 25 A<br>(500 V) 25 A<br>(690 V) 25 A                                                                                                                                                                                                                               |
| Rated Operational Current AC-22A (I <sub>e</sub> ):       | (415 V) 25 A<br>(500 V) 25 A<br>(690 V) 25 A                                                                                                                                                                                                                               |
| Rated Operational Current AC-23A (I <sub>e</sub> ):       | (415 V) 25 A<br>(500 V) 25 A<br>(690 V) 25 A                                                                                                                                                                                                                               |
| Rated Operational Power AC-23A (P <sub>e</sub> ):         | (415 V) 11 kW<br>(500 V) 15 kW<br>(690 V) 22 kW                                                                                                                                                                                                                            |
| Rated Operational Voltage:                                | Main Circuit 800 V                                                                                                                                                                                                                                                         |
| Rated Short-Circuit Making Capacity (I <sub>cm</sub> ):   | (690 V) 1.76 kA                                                                                                                                                                                                                                                            |

**Rated Short-time Withstand Current Low Voltage (I<sub>cw</sub>):** 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

**Wire Size:** 1x 18-6 AWG  
2x 16-10 AWG

**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):** 3660547

**E-Number (Sweden):** 3172222

## Categories

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

