



PRODUCT-DETAILS

# OT16G1-4BSN1

## OT16G1-4BSN1 SWITCH DISCONNECTOR



| General Information    |                                                                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type: | OT16G1-4BSN1                                                                                                                                                                                                                                                                                  |
| Product ID:            | 1SCA163372R1001                                                                                                                                                                                                                                                                               |
| EAN:                   | 6417019930879                                                                                                                                                                                                                                                                                 |
| Catalog Description:   | OT16G1-4BSN1 SWITCH DISCONNECTOR                                                                                                                                                                                                                                                              |
| Long Description:      | OT Plus Switch disconnecter series. 4-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. |
| Display Name:          | OT16G1-4BSN1                                                                                                                                                                                                                                                                                  |

| 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_4B_N1_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: | 62 mm    |
| Product Net Weight:         | 0.145 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:         | 62 mm           |
| Package Level 1 Gross Weight:   | 0.167 kg        |
| Package Level 1 EAN:            | 6417019930879   |
| 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:   | 1.67 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> ): | 16 A                                                                                                                                                                                                                                                                       |
| Conventional Thermal Current (I <sub>the</sub> ):         | 16 A                                                                                                                                                                                                                                                                       |
| Fourth Pole Position:                                     | Left Side                                                                                                                                                                                                                                                                  |
| Fourth Pole Type:                                         | Switched - Simultaneous Function<br>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<br>Bottom In - Top Out                                                                                                                                                                                                                                 |
| Power Loss:                                               | at Rated Operating Conditions per Pole 0.1 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) 16 A<br>(500 V) 16 A<br>(690 V) 16 A                                                                                                                                                                                                                               |
| Rated Operational Current AC-22A (I <sub>e</sub> ):       | (415 V) 16 A<br>(500 V) 16 A<br>(690 V) 16 A                                                                                                                                                                                                                               |
| Rated Operational Current AC-23A (I <sub>e</sub> ):       | (415 V) 16 A<br>(500 V) 16 A<br>(690 V) 16 A                                                                                                                                                                                                                               |

|                                                                         |                                                   |
|-------------------------------------------------------------------------|---------------------------------------------------|
| <b>Rated Operational Power AC-23A (P<sub>e</sub>):</b>                  | (415 V) 7.5 kW<br>(500 V) 9 kW<br>(690 V) 11 kW   |
| <b>Rated Operational Voltage:</b>                                       | Main Circuit 800 V                                |
| <b>Rated Short-Circuit Making Capacity (I<sub>cm</sub>):</b>            | (690 V) 1.76 kA                                   |
| <b>Rated Short-time Withstand Current Low Voltage (I<sub>cw</sub>):</b> | for 1 s 0.8 kA<br>for 0.2 s 1.25 kA               |
| <b>Recommended Screw Driver:</b>                                        | Main Circuit Pozidriv 2                           |
| <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 1 N·m                            |
| <b>Wire Stripping Length:</b>                                           | Main Circuit 9-10 mm<br>Main Circuit 0.35-0.39 in |

## Technical UL/CSA

|                                          |                                                                                                                                                                                                                                                                       |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maximum Operating Voltage UL/CSA:</b> | 600 V                                                                                                                                                                                                                                                                 |
| <b>Ampere Rating:</b>                    | 20 A                                                                                                                                                                                                                                                                  |
| <b>Horsepower Rating UL/CSA:</b>         | (110 ... 120 V AC) Single Phase 1 Hp<br>(240 V AC) Single Phase 2 Hp<br>(440 ... 480 V AC) Single Phase 5 Hp<br>(550 ... 600 V AC) Single Phase 7.5 Hp<br>(240 V AC) Three Phase 5 Hp<br>(440 ... 480 V AC) Three Phase 10 Hp<br>(550 ... 600 V AC) Three Phase 10 Hp |
| <b>Wire Size:</b>                        | 1x 18-6 AWG<br>2x 16-10 AWG                                                                                                                                                                                                                                           |
| <b>Tightening Torque UL/CSA:</b>         | UL 1 lbf·in                                                                                                                                                                                                                                                           |

## Certificates and Declarations

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

## External Classifications and Standards

|                                            |                                                            |
|--------------------------------------------|------------------------------------------------------------|
| <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) |

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## Categories

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



  
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