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 PRODUCT-DETAILS

# OT1000E03W8P

## OT1000E03W8P SWITCH-DISCONNECTOR




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**General Information**

|                       |  |
|-----------------------|--|
| Extended Product Type | OT1000E03W8P   |
| Product ID            | 1SCA022871R8110  |
| EAN                   | 6417019338651  |
| Catalog Description   | OT1000E03W8P SWITCH-DISCONNECTOR   |
| Long Description      | 3-pole, front operated, base mounted switch-d disconnecter with black IP65 handle and shaft, wide phase distance. terminal bolt kit included |

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**ABB EcoSolutions**

|   |                 |
|---|-----------------|
| End Of Life Disassembling Instructions  | 1SCC301120M0201 |
| Environmental Information               | 1SCC301233D0201 |
| Environmental Product Declaration - EPD | 1SCC301300D0201 |

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**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

|   |   |
|---|---|
| Data Sheet, Technical Information       | 1SCC301020C0201                                       |
| Instructions and Manuals                | 1SCC301047M0213                                       |
| Mechanical Drawings                     | 1SCC301927F0001<br>1SCC301926F0001<br>OT1250E03W8.igs |
| Environmental Product Declaration - EPD | 1SCC301300D0201                                       |

## Environmental

|                           |                 |
|---------------------------|-----------------|
| Degree of Protection      | Front IP00      |
| Environmental Information | 1SCC301233D0201 |
| Pollution Degree          | 3               |

## Ordering

|                                |          |
|--------------------------------|----------|
| Minimum Order Quantity         | 1 piece  |
| Customs Tariff Number          | 85365080 |
| Country or Territory of Origin | Finland  |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 544.5 mm |
| Product Net Height         | 306 mm   |
| Product Net Depth / Length | 167 mm   |
| Product Net Weight         | 19.5 kg  |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 400 mm        |
| Package Level 1 Depth / Length | 748 mm        |
| Package Level 1 Height         | 170 mm        |
| Package Level 1 Gross Weight   | 21.3 kg       |
| Package Level 1 EAN            | 6417019338651 |

## Technical

|  |  |
|--|--|
| Conventional Free-air Thermal Current ( $I_{th}$ ) | $\Theta = 40\text{ °C } 1000\text{ A}$ |
| Conventional Thermal Current ( $I_{the}$ )         | Fully Enclosed 1000 A                  |
| Degree of Protection                               | Front IP00                             |
| Distance Between Phases                            | Phase distance 185 mm                  |

|   |   |
|---|---|
| Handle Color  | Black   |
| Handle Type   | Handle and shaft included                                   |
| Mechanical Durability                                       | 6000  |
| Mounting Type   | Base mounting   |
| Number of Poles   | 3P  |
| Operating Mode  | Front   |
| Pollution Degree  | 3   |
| Position of Line Terminals                                  | Top In - Bottom Out<br>Bottom In - Top Out                  |
| Power Loss  | at Rated Operating Conditions per Pole 19 W                 |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ )        | (1250 A fuse, 415 V) 80 kA<br>(1250 A fuse, 500 V) 100 kA   |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 12 kV   |
| Rated Insulation Voltage ( $U_i$ )                          | acc. to IEC/EN 60664-1 1000 V                               |
| Rated Operational Current AC-21A ( $I_e$ )                  | (380 ... 415 V) 1000 A<br>(500 V) 1000 A<br>(690 V) 1000 A  |
| Rated Operational Current AC-22A ( $I_e$ )                  | (380 ... 415 V) 1000 A<br>(500 V) 1000 A<br>(690 V) 1000 A  |
| Rated Operational Current AC-23A ( $I_e$ )                  | (380 ... 415 V) 1000 A<br>(500 V) 1000 A<br>(690 V) 1000 A  |
| Rated Operational Power AC-23A ( $P_e$ )                    | (400 ... 415 V) 560 kW<br>(500 V) 710 kW<br>(690 V) 1000 kW |
| Rated Operational Voltage                                   | Main Circuit 1000 V   |
| Rated Short-Circuit Making Capacity ( $I_{cm}$ )            | (690 V) 110 kA  |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 50 kA   |
| Special Functions   | Wide phase distance 185                                     |
| Standards   | IEC 60947-3   |
| Switches Operating Mechanism                                | Mechanism at the End of the Switch<br>03 (Left Side)        |
| Terminal Type   | Lug terminals   |
| Terminal Width  | 50 mm   |
| Tightening Torque   | acc. IEC 60947-1 50 ... 75 N·m                              |

## Technical UL/CSA

|                   |                                |
|-------------------|--------------------------------|
| Tightening Torque | acc. IEC 60947-1 50 ... 75 N·m |
|-------------------|--------------------------------|

## Certificates and Declarations

|                                |                         |
|--------------------------------|-------------------------|
| A2L Certificate - IEC          | 1SCC301338D0201         |
| ATEX Certificate               | No certification needed |
| Declaration of Conformity - CE | 1SCC301155D2704         |
| DNV GL Certificate             | 1SCC301184D0203         |
| UL Certificate                 | No certification needed |
| VDE Certificate                | No certification needed |

## External Classifications and Standards

|                            |  |
|----------------------------|--|
| Object Classification Code | Q  |
| ETIM 9                     | EC000216 - Switch disconnecter (low voltage) |

|                    |   |
|--------------------|---|
| ETIM 10            | EC000216 - Switch disconnecter (AC)                         |
| UNSPSC             | 39122221  |
| eClass             | V11.1 : 27371403  |
| WEEE Category      | 4. Large Equipment (Any External Dimension More Than 50 cm) |
| E-Number (Finland) | 3661612   |

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## Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

