PRODUCT-DETAILS

# OT2500E12

## OT2500E12 SWITCH-DISCONNECTOR



### General Information

| | |
|---|---|
| Extended Product Type | OT2500E12 |
| Product ID | 1SCA104977R1001 |
| EAN | 6417019391168 |
| Catalog Description | OT2500E12 SWITCH-DISCONNECTOR |
| Long Description | 3-pole, front operated, base mounted switch-diconnector, handle and shaft are not included, terminal bolt kit included |

### ABB EcoSolutions

| | |
|---|---|
| End Of Life Disassembling Instructions | 1SCC301121M0201 |
| Environmental Information | 1SCC301268D0201 |
| Environmental Product Declaration - EPD | 1SCC301304D0201 |

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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 | 1SCC301078M0205 |
| Mechanical Drawings | 1SCC301522F0001<br>1SCC301521F0001<br>OT2500E12.igs |
| Environmental Product Declaration - EPD | 1SCC301304D0201 |

## Environmental

| | |
|---|---|
| Degree of Protection | Front IP00 |
| Environmental Information | 1SCC301268D0201 |
| Pollution Degree | 3 |

## Ordering

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

## Dimensions

| | |
|---|---|
| Product Net Width | 472.5 mm |
| Product Net Height | 376.5 mm |
| Product Net Depth / Length | 145.5 mm |
| Product Net Weight | 24.9 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 407 mm |
| Package Level 1 Depth / Length | 619 mm |
| Package Level 1 Height | 190 mm |
| Package Level 1 Gross Weight | 26.9 kg |
| Package Level 1 EAN | 6417019391168 |

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## Technical

| | |
|---|---|
| Conventional Free-air Thermal Current ($I_{th}$) | Θ = 40 °C 2500 A |
| Degree of Protection | Front IP00 |
| Distance Between Phases | Standard |
| Handle Type | Handle and shaft not 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 85 W |
| 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-21B ($I_e$) | (380 ... 415 V) 2500 A<br>(500 V) 2500 A<br>(690 V) 2500 A |
| Rated Operational Current AC-22B ($I_e$) | (380 ... 415 V) 2500 A<br>(500 V) 2500 A<br>(690 V) 2500 A |
| Rated Operational Voltage | Main Circuit 1000 V |
| Rated Short-Circuit Making Capacity ($I_{cm}$) | (690 V) 176 kA |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 55 kA |
| Special Functions | No |
| Standards | IEC 60947-3 |
| Switches Operating Mechanism | Mechanism Between the Poles<br>12 (Between the Poles) |
| Terminal Type | Lug terminals |
| 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 |
| Declaration of Conformity - CE | 1SCC301176D2702 |
| DNV GL Certificate | 1SCC301184D0203 |

## External Classifications and Standards

| | |
|---|---|
| Object Classification | Q |

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| Code | |
|---|---|
| ETIM 9 | EC000216 - Switch disconnector (low voltage) |
| ETIM 10 | EC000216 - Switch disconnector (AC) |
| UNSPSC | 39122233 |
| eClass | V11.1 : 27371403 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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