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 PRODUCT-DETAILS

# OT160EV04WP

## OT160EV04WP SWITCH-DISCONNECTOR




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**General Information**

|                       |   |
|-----------------------|---|
| Extended Product Type | OT160EV04WP   |
| Product ID            | 1SCA120523R1001   |
| EAN                   | 6417019519838   |
| Catalog Description   | OT160EV04WP SWITCH-DISCONNECTOR   |
| Long Description      | 4-pole, front operated, base mounted switch-diconductor with black IP65 handle and shaft, wide phase distance, terminal bolt kit included |

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**ABB EcoSolutions**

|   |                 |
|---|-----------------|
| End Of Life Disassembling Instructions  | 1SCC301117M0201 |
| Environmental Information               | 1SCC301265D0201 |
| Environmental Product Declaration - EPD | 1SCC301282D0201 |

## 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   |
| SCIP  | e58462e0-9283-4ca1-9c24-85b6baa5459b Finland   |
| Simplified SCIP                             | 508a7034-2f2c-435d-a72c-6c8bd86d6a68 Germany<br>9ebd71ca-cef5-4c60-aa53-c017fa65980c Belgium<br>9009c27c-ee39-4679-b4ed-10021dfcb8e4 Norway<br>9cfe7fa3-094a-4650-b9c3-b046800f5e57 Spain<br>e0b5c908-89d3-4b75-ad48-0e0d32695515 Poland<br>bf35c05c-f909-49ad-8603-b54b9682e4fa Germany<br>74c898d5-cbfe-459f-b2c6-7cacee6a2973 Denmark<br>7e0810e8-f79c-4009-9f3b-c365171581f4 Germany<br>366b5031-54a7-48d4-872f-e233525063a8 Croatia<br>5ab2c5cd-6fa8-4bc6-8618-6c2104a2f1ab Czech Republic<br>92f79dc0-6c42-4258-8d6b-fb153adf5791 Poland<br>66ffef89-4b26-4224-a0c2-8936a410fb2e Germany<br>06ef1aa5-bae4-43e0-9c39-d1ca6bd3ccfb Germany<br>c71236b7-1493-4b7e-877c-8930b3e5eaf4 Estonia<br>b5ba1342-2c82-4a7a-a58e-158067cf88be France<br>1193369f-b2bb-4edc-b5ae-80bbfbab4b17 Poland<br>6a4070e2-67a9-415f-93df-c8231db2137b France<br>4f04532a-aea8-40f0-9de1-affb1fc5886b Hungary<br>f33b726e-1633-4137-9361-ed5e8e7f56a5 Belgium<br>b9a00fc9-7923-453e-8e47-efc20c7c8a83 Italy<br>fa875767-000d-4ba3-9be3-c5b80b73bc05 Netherlands<br>33bbaadd-e128-40c3-8cc1-a5a48563001a Hungary<br>634575f4-b5df-47dd-af76-681402b0084e Sweden<br>e45697e4-ab43-498e-a774-a42c7f281e23 Bulgaria<br>228e109b-f55e-4813-9b60-a3c33283f0bb Greece<br>1c4dbba5-1f64-4d9c-a348-31cd509785a8 Portugal<br>83178269-45c7-412a-9ea7-2943960a7799 Sweden |
| Toxic Substances Control Act - TSCA         | 1SCC011025D0201  |

## Popular Downloads

|   |  |
|---|--|
| Data Sheet, Technical Information       | 1SCC301020C0201  |
| Instructions and Manuals                | 1SCC301031M0220  |
| Mechanical Drawings                     | 1SCC301292F0001<br>1SCC301291F0001<br>OT200-250E04W.stp<br>OT200-250E04W.igs |
| Environmental Product Declaration - EPD | 1SCC301282D0201  |

## Environmental

|                           |                 |
|---------------------------|-----------------|
| Degree of Protection      | Front IP00      |
| Environmental Information | 1SCC301265D0201 |
| Pollution Degree          | 3               |

## Ordering

|                        |         |
|------------------------|---------|
| Minimum Order Quantity | 1 piece |
|------------------------|---------|

|                                |          |
|--------------------------------|----------|
| Customs Tariff Number          | 85365080 |
| Country or Territory of Origin | Finland  |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 212.5 mm |
| Product Net Height         | 170 mm   |
| Product Net Depth / Length | 82.5 mm  |
| Product Net Weight         | 1.64 kg  |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 190 mm        |
| Package Level 1 Depth / Length | 110 mm        |
| Package Level 1 Height         | 290 mm        |
| Package Level 1 Gross Weight   | 2.02 kg       |
| Package Level 1 EAN            | 6417019519838 |

## Technical

|  |   |
|--|---|
| Conventional Free-air Thermal Current ( $I_{th}$ )   | $\Theta = 40\text{ °C}$ 200 A   |
| Conventional Thermal Current ( $I_{the}$ )           | Fully Enclosed 160 A  |
| Degree of Protection                                 | Front IP00  |
| Distance Between Phases                              | Wide phase distance   |
| Fourth Pole Position                                 | Right Side  |
| Fourth Pole Type                                     | Switched - Simultaneous Function  |
| Handle Color   | Black   |
| Handle Type  | Handle and shaft included   |
| Mechanical Durability                                | 20000   |
| Mounting Type  | Base mounting   |
| Number of Poles                                      | 4P  |
| 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 3.2 W  |
| Rated Conditional Short-Circuit Current ( $I_{nc}$ ) | (315 A fuse, 500 V) 100 kA<br>(355 A fuse, 690 V) 80 kA<br>(250 A fuse, 690 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) 200 A<br>(500 V) 200 A<br>(690 V) 200 A                               |
| Rated Operational                                    | (380 ... 415 V) 200 A   |

|   |  |
|---|--|
| Current AC-22A (I <sub>e</sub> )                                  | (500 V) 200 A<br>(690 V) 160 A   |
| Rated Operational Current AC-23A (I <sub>e</sub> )                | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                            |
| Rated Operational Power AC-23A (P <sub>e</sub> )                  | (220 ... 240 V) 48 kW<br>(400 ... 415 V) 88 kW<br>(500 V) 112 kW<br>(690 V) 144 kW |
| Rated Operational Voltage   | Main Circuit 1000 V  |
| Rated Short-Circuit Making Capacity (I <sub>cm</sub> )            | (690 V) 30 kA  |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | for 1 s 8 kA   |
| Special Functions   | Wide phase distance  |
| Standards   | IEC 60947-3  |
| Switches Operating Mechanism                                      | Mechanism at the End of the Switch<br>04 (Left Side)                               |
| Terminal Type   | Lug terminals  |
| Tightening Torque   | acc. IEC 60947-1 15 ... 22 N·m   |

### Technical UL/CSA

|                   |                                |
|-------------------|--------------------------------|
| Tightening Torque | acc. IEC 60947-1 15 ... 22 N·m |
|-------------------|--------------------------------|

### Certificates and Declarations

|                                |                         |
|--------------------------------|-------------------------|
| A2L Certificate – IEC          | 1SCC301337D0201         |
| ATEX Certificate               | No certification needed |
| Declaration of Conformity - CE | 1SCC301131D2705         |
| DNV GL Certificate             | 1SCC301174D0204         |
| 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              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland)         | 3601369  |

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## Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

