PRODUCT-DETAILS

# OT160EV22P

## OT160EV22P SWITCH-DISCONNECTOR



### General Information

| | |
|---|---|
| Extended Product Type | OT160EV22P |
| Product ID | 1SCA120537R1001 |
| EAN | 6417019520049 |
| Catalog Description | OT160EV22P SWITCH-DISCONNECTOR |
| Long Description | 4-pole, front operated, base mounted switch-diconnector with black IP65 handle and shaft, terminal bolt kit included |

### ABB EcoSolutions

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

### Material Compliance

| | |
|---|---|
| Conflict Minerals | 9AKK108467A5658 |

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| | |
|---|---|
| Reporting Template (CMRT) | |
| REACH Declaration | 1SCC011021D0201 |
| RoHS Information | 1SCC011020D0201 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| SCIP | 30e3b4f5-a7d2-41e9-b139-b85489727fca Finland (FI) |
| Simplified SCIP | 1db14216-144f-482c-b6e4-17266a8cc72e Germany (DE)<br>1daec6ed-79bb-4f9c-aafe-1c2dfa27a2f3 Portugal (PT)<br>70947fed-4f6f-41bf-981b-0a5d6cf0b01f Greece (GR)<br>2820ef9e-6dc2-44de-8a77-d992d0553f40 Denmark (DK)<br>4356ab47-319c-4606-8944-1961d57326fe Estonia (EE)<br>ba4c0a78-7ab0-41ae-97be-d1d355d95223 Poland (PL)<br>14fb4b76-606f-445a-9b98-6532f2ff6522 Croatia (HR)<br>2c31c37e-a8ba-45b6-b845-d48d05326d36 Poland (PL)<br>e7916974-cd10-421d-88f0-1278a7b79c61 Czech Republic (CZ)<br>aa3a57f8-4f6d-4a8c-8536-782e40acc798 Germany (DE)<br>d83beddc-7152-4c4e-a0c0-ad89155adc81 Germany (DE)<br>b2f3501c-a3b6-4ce8-8ac9-f8542ae85a35 Hungary (HU)<br>3e527529-87f8-4e67-815c-21fafe79f60f France (FR)<br>04b78ee5-3410-483c-a247-fa6543fabe3a Sweden (SE)<br>59622a76-39e3-4c8b-973b-58aed9955b66 France (FR)<br>9b90e31c-8e96-4a1e-bbc3-39071591fd84 Germany (DE)<br>0ed7c7eb-539e-4553-8d63-8561066a90b0 Italy (IT)<br>927b4667-24d5-4e4d-99b5-0c64dc254f55 Belgium (BE)<br>e5e23bdb-c150-453c-b200-54b17dbca432 Hungary (HU)<br>c6f18315-dd8b-493e-868e-55d9193696ff Netherlands (NL)<br>c9e35348-becb-4c2b-86ae-6667ad179353 Bulgaria (BG)<br>f8beb87a-61a8-457e-8975-0f148049bf01 Sweden (SE)<br>00b0371c-5b65-437b-b523-808e697013fe Norway (NO)<br>c08572a6-7ec4-4a5d-bb68-2044ec9b8b2b Spain (ES)<br>fc1a9dfe-375a-40d3-a780-c275e61aa35c Poland (PL)<br>41a6b21c-161c-4638-ba40-aa332e3815e1 Belgium (BE)<br>f8690d28-7600-47ab-84da-35e75842fd8b Germany (DE) |
| Toxic Substances Control Act - TSCA | 1SCC011025D0201 |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SCC301020C0201 |
| Instructions and Manuals | 1SCC301031M0220 |
| Mechanical Drawings | 1SCC301232F0001<br>1SCC301231F0001<br>OT200-250E22.igs |
| Environmental Product Declaration - EPD | 1SCC301282D0201 |
| End of Life Instructions | 1SCC301117M0201 |

## Environmental

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

## Ordering

| | |
|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85365080 |
| Country of Origin | Finland (FI) |

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## Dimensions

| | |
|---|---|
| Product Net Width | 185.5 mm |
| Product Net Height | 150 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 1.7 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 170 mm<br>6.69 in |
| Package Level 1 Depth / Length | 190 mm<br>7.48 in |
| Package Level 1 Height | 145 mm<br>5.71 in |
| Package Level 1 Gross Weight | 2.1 kg<br>0.93 lb |
| Package Level 1 EAN | 6417019520049 |

## Technical

| | |
|---|---|
| Rated Operational Current AC-21A ($I_e$) | (380 ... 415 V) 200 A<br>(500 V) 200 A<br>(690 V) 200 A |
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 200 A<br>(500 V) 200 A<br>(690 V) 160 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A |
| Rated Operational Power AC-23A ($P_e$) | (220 ... 240 V) 48 kW<br>(400 ... 415 V) 88 kW<br>(500 V) 112 kW<br>(690 V) 144 kW |
| Conventional Free-air Thermal Current ($I_{th}$) | Θ = 40 °C 200 A |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 160 A |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 12 kV |
| Rated Insulation Voltage ($U_i$) | acc. to IEC/EN 60664-1 1000 V |
| Rated Operational Voltage | Main Circuit 1000 V |
| Rated Short-Circuit Making Capacity ($I_{cm}$) | (690 V) 30 kA |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 8 kA |
| 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 |
| Power Loss | at Rated Operating Conditions per Pole 3.2 W |
| Pollution Degree | 3 |
| Handle Color | Black |

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| | |
|---|---|
| Handle Type | Handle and shaft included |
| Fourth Pole Position | Right Side |
| Fourth Pole Type | Switched - Simultaneous Function |
| Switches Operating Mechanism | Mechanism Between the Poles<br>22 (Between the Poles) |
| Distance Between Phases | Standard |
| Position of Line Terminals | Top In - Bottom Out<br>Bottom In - Top Out |
| Operating Mode | Front operated |
| Standards | IEC 60947-3 |
| Special Functions | No |
| Mounting Type | Base mounting |
| Number of Poles | 4 |
| Degree of Protection | Front IP00 |
| Terminal Type | Lug terminals |
| Tightening Torque | acc. IEC 60947-1 15 … 22 N·m |
| Mechanical Durability | 20000 |
| Lock Type | Yes |

## 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 |

## Classifications

| | |
|---|---|
| Object Classification Code | Q |
| ETIM 8 | EC000216 - Switch disconnector |
| ETIM 9 | EC000216 - Switch disconnector (low voltage) |
| eClass | V11.1 : 27371403 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland) | 3601365 |
| E-Number (Sweden) | 3170911 |

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## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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