PRODUCT-DETAILS

# OT400ES04K

# OT400ES04K SWITCH-DISCONNECTOR



## General Information

| | |
|---|---|
| Extended Product Type | OT400ES04K |
| Product ID | 1SCA022860R2080 |
| EAN | 6417019308913 |
| Catalog Description | OT400ES04K SWITCH-DISCONNECTOR |
| Long Description | 4-pole, side operated, base mounted switch-diconnector with black direct mount handle, terminal bolt kit included |

## ABB EcoSolutions

| | |
|---|---|
| End of Life Instructions | 1SCC301118M0201 |
| Environmental Information | 1SCC301266D0201 |
| Environmental Product Declaration - EPD | 1SCC301283D0201 |

## Material Compliance

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| REACH Declaration | 1SCC011021D0201 |

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| | |
|---|---|
| RoHS Information | 1SCC011020D0201 |
| RoHS Status | 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 | 1SCC301070M0207 |
| Mechanical Drawings | 1SCC301666F0001<br>1SCC301665F0001 |
| Environmental Product Declaration - EPD | 1SCC301283D0201 |
| End of Life Instructions | 1SCC301118M0201 |

## Environmental

| | |
|---|---|
| Degree of Protection | Front IP00 |
| Environmental Information | 1SCC301266D0201 |
| Pollution Degree | 3 |

## Ordering

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

## Dimensions

| | |
|---|---|
| Product Net Width | 295 mm |
| Product Net Height | 185 mm |
| Product Net Depth / Length | 107 mm |
| Product Net Weight | 4.1 kg<br>9 lb |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 250 mm<br>9.8 in |
| Package Level 1 Depth / Length | 290 mm<br>11.4 in |
| Package Level 1 Height | 170 mm<br>6.7 in |
| Package Level 1 Gross Weight | 4.3 kg<br>9.6 lb |
| Package Level 1 EAN | 6417019308913 |

## Technical

| | |
|---|---|
| Conventional Free-air Thermal Current ($I_{th}$) | Θ = 40 °C 400 A |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 400 A |
| Degree of Protection | Front IP00 |

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| | |
|---|---|
| Distance Between Phases | Standard |
| Fourth Pole Position | Right Side |
| Fourth Pole Type | Switched - Simultaneous Function |
| Handle Color | Black |
| Handle Type | Direct mounted pistol type handle |
| Lock Type | Yes |
| Mechanical Durability | 16000 |
| Mounting Type | Base mounting |
| Number of Poles | 4P |
| Operating Mode | Side operated |
| Pollution Degree | 3 |
| Position of Line Terminals | Top In - Bottom Out<br>Bottom In - Top Out |
| Power Loss | at Rated Operating Conditions per Pole 10 W |
| Rated Conditional Short-Circuit Current ($I_{nc}$) | (500 A fuse, 500 V) 100 kA<br>(500 A fuse, 690 V) 80 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) 400 A<br>(500 V) 400 A<br>(690 V) 400 A |
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 400 A<br>(500 V) 400 A<br>(690 V) 400 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 400 A<br>(500 V) 400 A<br>(690 V) 400 A |
| Rated Operational Power AC-23A ($P_e$) | (220 ... 240 V) 132 kW<br>(400 ... 415 V) 230 kW<br>(500 V) 280 kW<br>(690 V) 400 kW |
| Rated Operational Voltage | Main Circuit 1000 V |
| Rated Short-Circuit Making Capacity ($I_{cm}$) | (690 V) 65 kA |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 15 kA |
| Special Functions | No |
| 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 30 … 44 N·m |

## Technical UL/CSA

| | |
|---|---|
| Tightening Torque | acc. IEC 60947-1 30 … 44 N·m |

## Certificates and Declarations

| | |
|---|---|
| A2L Certificate - IEC | 1SCC301337D0201 |
| ATEX Certificate | No certification needed |
| Declaration of Conformity - CE | 1SCC301135D2704 |
| DNV GL Certificate | 1SCC301174D0204 |
| UL Certificate | No certification needed |
| VDE Certificate | No certification needed |

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## 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) | 3661731 |

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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