



 PRODUCT-DETAILS

OT1600E03K

OT1600E03K SWITCH-DISCONNECTOR



General Information

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|-----------------------|--|
| Extended Product Type | OT1600E03K |
| Product ID | 1SCA108352R1001 |
| EAN | 6417019416748 |
| Catalog Description | OT1600E03K SWITCH-DISCONNECTOR |
| Long Description | 3-pole, front operated, base mounted switch-diconnector with black direct mount handle, terminal bolt kit included |

ABB EcoSolutions

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

Material Compliance

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|---|--|
| 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 | 1SCC301725F0002 1SCC301724F0002 |
| Environmental Product Declaration - EPD | 1SCC301300D0201 |

Environmental

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

Ordering

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

Dimensions

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|----------------------------|----------|
| Product Net Width | 334.5 mm |
| Product Net Height | 372 mm |
| Product Net Depth / Length | 237.5 mm |
| Product Net Weight | 17.7 kg |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 400 mm |
| Package Level 1 Depth / Length | 400 mm |
| Package Level 1 Height | 325 mm |
| Package Level 1 Gross Weight | 19.4 kg |
| Package Level 1 EAN | 6417019416748 |

Technical

| | |
|---|---|
| Conventional Free-air Thermal Current (I_{th}) | $\Theta = 40\text{ °C}$ 1600 A |
| Conventional Thermal Current (I_{the}) | Fully Enclosed 1600 A |
| Degree of Protection | Front IP00 |
| Distance Between Phases | Standard |
| Handle Color | Black |
| Handle Type | Direct mounted pistol type handle |
| 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 Bottom In - Top Out |
| Power Loss | at Rated Operating Conditions per Pole 48 W |
| Rated Conditional Short-Circuit Current (I_{nc}) | (1250 A fuse, 415 V) 80 kA (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) 1600 A (500 V) 1600 A (690 V) 1600 A |
| Rated Operational Current AC-22A (I_e) | (380 ... 415 V) 1600 A (500 V) 1600 A (690 V) 1600 A |
| Rated Operational Current AC-23A (I_e) | (380 ... 415 V) 1250 A (500 V) 1250 A (690 V) 1250 A |
| Rated Operational Power AC-23A (P_e) | (400 ... 415 V) 710 kW (500 V) 900 kW (690 V) 1200 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 | No |
| Standards | IEC 60947-3 |
| Switches Operating Mechanism | Mechanism at the End of the Switch 03 (Left Side) |
| Terminal Type | Lug terminals |
| Tightening Torque | acc. IEC 60947-1 50 ... 75 N·m |

Technical UL/CSA

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

Certificates and Declarations

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|--------------------------------|-------------------------|
| 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

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|----------------------------|--|
| 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) | 3660818 |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

