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 PRODUCT-DETAILS

# OT630E32

## OT630E32 SWITCH-DISCONNECTOR




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**General Information**

|                       |  |
|-----------------------|--|
| Extended Product Type | OT630E32   |
| Product ID            | 1SCA103728R1001  |
| EAN                   | 6417019381046  |
| Catalog Description   | OT630E32 SWITCH-DISCONNECTOR   |
| Long Description      | 5-pole, front operated, base mounted switch-diconductor, handle and shaft are not included, terminal bolt kit included |

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**ABB EcoSolutions**

|   |                 |
|---|-----------------|
| End Of Life Disassembling Instructions  | 1SCC301119M0201 |
| Environmental Information               | 1SCC301232D0201 |
| Environmental Product Declaration - EPD | 1SCC301284D0201 |

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## 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  |

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## Popular Downloads

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|   |                 |
|---|-----------------|
| Data Sheet, Technical Information       | 1SCC301020C0201 |
| Instructions and Manuals                | 1SCC301042M0211 |
| Environmental Product Declaration - EPD | 1SCC301284D0201 |

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## Environmental

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|                           |                 |
|---------------------------|-----------------|
| Degree of Protection      | Front IP00      |
| Environmental Information | 1SCC301232D0201 |
| Pollution Degree          | 3               |

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## Ordering

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

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## Dimensions

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|                            |        |
|----------------------------|--------|
| Product Net Width          | 396 mm |
| Product Net Height         | 250 mm |
| Product Net Depth / Length | 140 mm |
| Product Net Weight         | 9.4 kg |

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## Container Information

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|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 260 mm        |
| Package Level 1 Depth / Length | 407 mm        |
| Package Level 1 Height         | 152 mm        |
| Package Level 1 Gross Weight   | 9.8 kg        |
| Package Level 1 EAN            | 6417019381046 |

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**Technical**


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|   |   |
|---|---|
| Conventional Free-air Thermal Current ( $I_{th}$ )          | $\Theta = 40\text{ °C}$ 630 A   |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 630 A  |
| Degree of Protection  | Front IP00  |
| Distance Between Phases                                     | Standard  |
| Handle Type   | Handle and shaft not included   |
| Mechanical Durability                                       | 10000   |
| Mounting Type   | Base mounting   |
| Number of Poles   | 5P  |
| 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 25 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-21A ( $I_e$ )                  | (380 ... 415 V) 630 A<br>(500 V) 630 A<br>(690 V) 630 A<br>(1000 V) 630 A |
| Rated Operational Current AC-21B ( $I_e$ )                  | (690 V) 630 A   |
| Rated Operational Current DC-21B ( $I_e$ )                  | (800 V) 630 A   |
| Rated Operational Voltage                                   | Main Circuit 1000 V   |
| Rated Short-Circuit Making Capacity ( $I_{cm}$ )            | (690 V) 80 kA   |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 20 kA   |
| Special Functions   | No  |
| Standards   | IEC 60947-3   |
| Switches Operating Mechanism                                | Mechanism Between the Poles   |
| Terminal Type   | Lug terminals   |
| Tightening Torque   | acc. IEC 60947-1 50 ... 75 N·m  |

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**Technical UL/CSA**


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

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**Certificates and Declarations**


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|                                |                 |
|--------------------------------|-----------------|
| A2L Certificate – IEC          | 1SCC301337D0201 |
| Declaration of Conformity - CE | 1SCC301140D2704 |
| DNV GL Certificate             | 1SCC301184D0203 |

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## 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)                        |
| eClass                     | V11.1 : 27371403   |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |

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## Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

