PRODUCT-DETAILS

# OTL90T3U

## OTL90T3U Safety switch



### General Information

| | |
|---|---|
| Extended Product Type | OTL90T3U |
| Product ID | 1SCA022718R4610 |
| EAN | 6417019230368 |
| Catalog Description | OTL90T3U Safety switch |
| Long Description | Safety switch, 3-p. 415V AC23 90A, 45kW. Mounted auxiliary contact: 1NO0NC. Steel sheet enclosure. IP65. Black Pistol handle. Interlocked cover. Defeatable interlocking. The enclosure of the OTL series is made of rigid alu-zinc coated steel with polyester powder coating. The enclosure has a hinged door, with door lock. The cover is interlocked, and can not be opened when switch is on. The interlock function can be defeated for thermographing. Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water exposure and Immersion in accordance with UL746C. Cable entries to be drilled. PE terminal included. |

### Material Compliance

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| REACH Declaration | 1SCC340076D0201 |
| RoHS Declaration | 1SCC340075D0201 |

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| | |
|---|---|
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA | 1SCC340095D0201 |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SCC340015C0201 |
| Instructions and Manuals | 1SCC340006M0013 |
| Mechanical Drawings | OTLK302013PBL.stp |

## Environmental

| | |
|---|---|
| Degree of Protection | acc. to IEC 60529 IP65 |
| Pollution Degree | 3 |

## Ordering

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|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85363030 |
| Last Ordering Date | 2026-08-31 All Countries |
| Replacement Product ID (NEW) | OTL80GT3M |
| Country or Territory of Origin | Bulgaria |

## Dimensions

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|---|---|
| Product Net Width | 200 mm |
| Product Net Height | 300 mm |
| Product Net Depth / Length | 135 mm |
| Product Net Weight | 3.1 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 212 mm |
| Package Level 1 Depth / Length | 313 mm |
| Package Level 1 Height | 191 mm |
| Package Level 1 Gross Weight | 3.3 kg |
| Package Level 1 EAN | 6417019230368 |

## Technical

| | |
|---|---|
| Cable Cross-Section | 10 ... 70 $mm^2$ |
| Cable Entry Position | Top and/or Bottom |
| Cable Outlets Per Side | Blank /Blank |
| Color | RAL7035 |
| Connecting Capacity | Screw Clamp 10 ... 70 $mm^2$ |

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| | |
|---|---|
| Main Circuit | Screw Clamp / PE Terminal 2pc,10 ... 70 mm² |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 125 A |
| Degree of Protection | acc. to IEC 60529 IP65 |
| Enclosure Material | Steel sheet |
| Handle Color | Black |
| Handle Type | Pistol handle |
| Impact Resistance Rating | Housing IK09 |
| Maximum Mounted Auxiliary Contacts | 2 NO, 2 NC |
| Mounted Auxiliary Contacts | 1 NO, 0 NC |
| Neutral Type | No Neutral Terminal |
| Number of Auxiliary Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 1 |
| Number of Poles | 3P |
| Pollution Degree | 3 |
| Power Loss | at Rated Operating Conditions per Pole 6.3 W |
| Rated Insulation Voltage ($U_i$) | acc. to IEC/EN 60664-1 750 V |
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 125 A<br>(500 V) 125 A<br>(690 V) 125 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 90 A<br>(500 V) 70 A<br>(690 V) 50 A |
| Rated Operational Power AC-23A ($P_e$) | (380 ... 415 V) 45 kW<br>(500 V) 45 kW<br>(690 V) 45 kW |
| Rated Operational Voltage | Main Circuit 750 V |
| Rated Short-Circuit Making Capacity ($I_{cm}$) | (690 V AC) 3.6 kA |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 2.5 kA |
| Recommended Screw Driver | Main Circuit Hexagon 4 |
| Standards | IEC 60947-1, -3 |
| Tightening Torque | Main Circuit 6 N·m |
| Wire Stripping Length | 20 mm |

## Technical UL/CSA

| | |
|---|---|
| Wire Stripping Length | 20 mm |
| Recommended Screw Driver | Main Circuit Hexagon 4 |
| Tightening Torque | Main Circuit 6 N·m |

## Certificates and Declarations

| | |
|---|---|
| Declaration of Conformity - CE | 1SCC340005D2704 |

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## External Classifications and Standards

| | |
|---|---|
| Object Classification Code | Q |
| ETIM 9 | EC000216 - Switch disconnector (low voltage) |
| ETIM 10 | EC000216 - Switch disconnector (AC) |
| UNSPSC | 39122205 |
| IDEA Granular Category Code (IGCC) | 5166 >> Safety switch |
| eClass | V11.1 : 27371403 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Categories

Low Voltage Products and Systems → Enclosed Switches → Enclosed Safety Switches → Enclosed Safety Switches





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