PRODUCT-DETAILS

# OTP90A6U

## OTP90A6U Safety switch



### General Information

| | |
|---|---|
| Extended Product Type | OTP90A6U |
| Product ID | 1SCA022430R2620 |
| EAN | 6417019135571 |
| Catalog Description | OTP90A6U Safety switch |
| Long Description | Safety switch, 6-p. 415V AC23 90A, 45kW. Mounted auxiliary contact: 1NO0NC. Plastic enclosure. IP65. RedYellow Pistol handle. Interlocked cover. Defeatable interlocking. The enclosure in the OTP series is using a rigid glass reinforced polycarbonate enclosure. The enclosure is UV protected, protected against low-pressure water jets (IP65), and hence built for outdoor and indoor use. Cable entry holes to be made by the installer. The handle is padlockable and made for three padlocks. The interlocking can be by-passed, for thermographing etc. The switch is made for 5 wire system, and have a fixed neutral terminal and PE terminal. |

### 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 | 1SCC340002M0012 |

## Environmental

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

## Ordering

| | |
|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85363030 |
| Last Ordering Date | 2026-08-31 All Countries |
| Replacement Product ID (NEW) | OTP80GA6B |
| Country or Territory of Origin | Finland |

## Dimensions

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|---|---|
| Product Net Width | 200 mm |
| Product Net Height | 400 mm |
| Product Net Depth / Length | 140 mm |
| Product Net Weight | 2.2 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 213 mm |
| Package Level 1 Depth / Length | 417 mm |
| Package Level 1 Height | 197 mm |
| Package Level 1 Gross Weight | 2.4 kg |
| Package Level 1 EAN | 6417019135571 |

## Technical

| | |
|---|---|
| Cable Cross-Section | 10 ... 70 mm² |
| Cable Entry Position | Top and/or Bottom |
| Cable Outlets Per Side | Blank /Blank |
| Color | RAL7035 |
| Connecting Capacity Main Circuit | Screw Clamp 10 ... 70 mm²<br>Screw Clamp / PE Terminal 4pc,10 ... 70 mm² |

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| | |
|---|---|
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 125 A |
| Degree of Protection | acc. to IEC 60529 IP65 |
| Enclosure Material | Plastic |
| Handle Color | Red / Yellow |
| Handle Type | Pistol handle |
| Impact Resistance Rating | Housing IK08 |
| Maximum Mounted Auxiliary Contacts | 2 NO, 2 NC |
| Mounted Auxiliary Contacts | 1 NO, 0 NC |
| Neutral Type | Fixed Neutral |
| Number of Auxiliary Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 1 |
| Number of Poles | 6P |
| 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

| | |
|---|---|
| BV Certificate | 1SCC340018D0204 |
| Declaration of Conformity - CE | 1SCC340003D2704 |
| DNV GL Certificate | 1SCC340045D0203 |

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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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