



PRODUCT-DETAILS

# OTR90A3B

## OTR90A3B Safety switch



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OTR90A3B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product ID            | 1SCA022567R9180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EAN                   | 6417019183138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Catalog Description   | OTR90A3B Safety switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Long Description      | Safety switch, 3-p. 415V AC23 90A, 45kW. Mounted auxiliary contact: 1NO0NC. Stainless steel enclosure. IP65. RedYellow Pistol handle. Interlocked cover. Defeatable interlocking. The enclosure of the OTR series is made of rigid stainless steel, class AISI304. 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 and indoor use. The cable entries are of knock out types. PE terminal and auxiliary contact included. Can be used in EMC application, if EMC cable glands are used. |

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

|                                     |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| 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               | OTLK302013PBB.stp |

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)   | OTR80GA3M                |
| Country or Territory of Origin | Bulgaria                 |

Dimensions

|                            |        |
|----------------------------|--------|
| 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            | 6417019183138 |

Technical

|                        |                           |
|------------------------|---------------------------|
| Cable Cross-Section    | 10 ... 70 mm²             |
| Cable Entry Position   | Top and/or Bottom         |
| Cable Outlets Per Side | B-flange / B-flange       |
| Color                  | Stainless                 |
| Connecting Capacity    | Screw Clamp 10 ... 70 mm² |

|                                                             |                                                         |
|-------------------------------------------------------------|---------------------------------------------------------|
| Main Circuit                                                | Screw Clamp / PE Terminal 2pc,10 ... 70 mm <sup>2</sup> |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 125 A                                    |
| Degree of Protection                                        | acc. to IEC 60529 IP65                                  |
| Enclosure Material                                          | Stainless steel                                         |
| Handle Color                                                | Red / Yellow                                            |
| 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                                                       |
| Position of Line Terminals                                  | Top In - Bottom Out                                     |
| Position of PE Terminals                                    | Top In - Bottom Out                                     |
| 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                                  |
| Special Functions                                           | EMC                                                     |
| 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

1SCC340006D2704

External Classifications and Standards

|                                    |                                                            |
|------------------------------------|------------------------------------------------------------|
| Object Classification Code         | Q                                                          |
| ETIM 9                             | EC000216 - Switch disconnecter (low voltage)               |
| ETIM 10                            | EC000216 - Switch disconnecter (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

