PRODUCT-DETAILS

# BWS316YTPN

## BWS316YTPN Safety switch



### General Information

| | |
|---|---|
| Extended Product Type | BWS316YTPN |
| Product ID | 2CMA142423R1000 |
| EAN | 7392696424233 |
| Catalog Description | BWS316YTPN Safety switch |
| Long Description | Safety switch, 3-p. 415V AC23 16A, 7.5kW. Mounted auxiliary contact: 1NO0NC. Plastic enclosure. IP65. RedYellow Side-operated handle. Interlocked cover. The enclosure of the ABB´s side controlled enclosed switches is made of rigid polycarbonate. The enclosure is UV protected, and protected against low pressure water jets (IP65), and hence built for outdoor and indoor use. The enclosure is available in different colors, grey, yellow and white. The cable entries are threaded and have knock out holes for 2 parallell cables, both from top and bottom. Membrane grommets are included (IP54). The handle is padlockable and made for one padlock. The cover is interlocked. The switch is made for 5 wire system, and have a fixed neutral terminal and PE terminal. The terminals are easily accessible for easy installation. |

### Material Compliance

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |

© 2024 ABB. All rights reserved.

| | |
|---|---|
| REACH Declaration | 1SCC340076D0201 |
| RoHS Information | 1SCC340075D0201 |
| RoHS Status | Following EU Directive 2011/65/EU |
| Toxic Substances Control Act - TSCA | 1SCC340095D0201 |

## Ordering

| | |
|---|---|
| Minimum Order Quantity | 10 piece |
| Customs Tariff Number | 85363030 |
| Country of Origin | Bulgaria (BG) |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SCC340015C0201 |
| Instructions and Manuals | 9AKK108467A6812 |
| Mechanical Drawings | BAS1Y131160DM25.stp |

## Dimensions

| | |
|---|---|
| Product Net Width | 111 mm |
| Product Net Height | 130 mm |
| Product Net Depth / Length | 60 mm |
| Product Net Weight | 0.32 kg |

## Technical

| | |
|---|---|
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 25 A<br>(500 V) 25 A<br>(690 V) 16 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 16 A<br>(500 V) 16 A<br>(690 V) 10 A |
| Rated Operational Power AC-23A ($P_e$) | (380 ... 415 V) 7.5 kW<br>(500 V) 7.5 kW<br>(690 V) 7.5 kW |
| Conventional Free-air Thermal Current ($I_{th}$) | 32 A |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 32 A |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 8 kV |
| Rated Insulation Voltage ($U_i$) | acc. to IEC/EN 60664-1 690 V |
| Rated Operational Voltage | Main Circuit 690 V |
| Handle Color | Red |
| Handle Type | Side-operated handle |
| Standards | IEC 60947-1, -3 |
| Number of Poles | 3 |
| Neutral Type | Fixed neutral |
| Connecting Capacity | Screw Clamp 0.75 ... 10 mm² |

© 2024 ABB. All rights reserved.

| | |
|---|---|
| Main Circuit | Screw Clamp / PE Terminal 1pc,0.75 ... 10 mm² |
| Cable Cross-Section | 0.75 ... 10 mm² |
| Wire Stripping Length | 7 mm |
| Recommended Screw Driver | Main Circuit Pozidriv 2 |
| Cable Entry Position | Top and/or Bottom |
| Cable Outlets Per Side | 2xM25 / 2xM25 |
| Degree of Protection | acc. to IEC 60529 IP65 |
| Impact Resistance Rating | Housing IK08 |
| Enclosure Material | Plastic |
| Maximum Mounted Auxiliary Contacts | 1 NO, 0 NC |
| Mounted Auxiliary Contacts | 1 NO, 0 NC |
| Number of Auxiliary Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 1 |
| Tightening Torque | Main Circuit 1.2 N·m |
| Rated Current ($I_n$) | 16 A |
| Rated Voltage ($U_r$) | 100 ... 130 V |

## Technical UL/CSA

| | |
|---|---|
| Wire Stripping Length | 7 mm |
| Recommended Screw Driver | Main Circuit Pozidriv 2 |
| Tightening Torque | Main Circuit 1.2 N·m |

## Certificates and Declarations

| | |
|---|---|
| Declaration of Conformity - CE | 1SCC340062D2702 |

## Container Information

| | |
|---|---|
| Package Level 1 Units | ten pack 1 piece |
| Package Level 1 Width | 225 mm |
| Package Level 1 Depth / Length | 310 mm |
| Package Level 1 Height | 135 mm |
| Package Level 1 Gross Weight | 3.2 kg |
| Package Level 1 EAN | 7392696424233 |

## Classifications

| | |
|---|---|
| Object Classification Code | Q<br>2CMT005069 |
| ETIM 8 | EC000216 - Switch disconnector |
| ETIM 9 | EC000216 - Switch disconnector (low voltage) |
| UNSPSC | 39122205 |
| IDEA Granular Category Code (IGCC) | 5166 >> Safety switch |

© 2024 ABB. All rights reserved.

| | |
|---|---|
| eClass | V11.1 : 27371403 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland) | 3601587 |
| E-Number (Norway) | 1424405 |

## Categories

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





© 2024 ABB. All rights reserved.