# Product data sheet

Specifications



## Switch disconnector, TeSys Control, for ON/OFF, 32A, 22.5 fixing, for mountingfor mounting on door

VBD1

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range** | TeSys |
| **Product Name** | TeSys VARIO |
| **Device Short Name** | VBD |
| **Device Application** | Preventive maintenance |
| **Product Type** | Switch disconnector |

## Complementary

| | |
|---|---|
| **Device Composition** | Switch<br>Handle |
| **Mounting Support** | Handle door<br>Switch door |
| **Mounting Method** | Hole 0.9 in (22.5 mm) handle |
| **Performance Level** | High performance |
| **Number of Poles** | 3P |
| **Contact Type and Composition** | 3 NO |
| **[Ue] IEC Rated Operational Voltage** | 690 V AC 50/60 Hz |
| **IEC Rated Operational Power in W** | 11 kW 500 V AC-23A)<br>15 kW 690 V AC-23A)<br>7.5 kW 500 V AC-3)<br>7.5 kW 690 V AC-3)<br>1.5 kW 230...240 V AC-3)<br>5.5 kW 230...240 V AC-23A)<br>11 kW 400...415 V AC-23A)<br>7.5 kW 400...415 V AC-3) |
| **[Ie] Rated Operational Current** | 21.8 A AC-23 Ue: 400 V |
| **[Ith] Conventional Free Air Thermal Current** | 32 A |
| **[Ithe] Conventional Enclosed Thermal Current** | 25 A |
| **Making Capacity ( I Rms)** | 320 A 400 V AC-21A<br>320 A 400 V AC-22A<br>320 A 400 V AC-23A |
| **Breaking Capacity** | 250 A 400 V AC-21A)<br>250 A 400 V AC-22A)<br>250 A 400 V AC-23A) |
| **Rated Conditional Short Circuit Current** | 10 kA 400 V 35 A aM<br>10 kA 400 V 35 A gG |
| **[Icm] Rated Short Circuit Making Capacity** | 1 kA 400 V at Ipeak |
| **[Icw] Rated Short Time Withstand Current** | 384 A 400 V 1 s |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **[Uimp] Rated Impulse Withstand Voltage** | 8 kV |
| **Suitability for Isolation** | Yes |
| **Network Type** | DC<br>AC |
| **Intermittent Duty Class** | 30 |
| **Control Type** | Rotary handle |
| **Rotary Handle Mounting Style** | Direct |
| **Handle Color** | Black |
| **Handle Front Plate Color** | Black |
| **Rotary Handle Padlocking** | 1 to 3 padlocks 0.2…0.3 in (4…8 mm) |
| **Marking** | 0 - 1 |
| **Mechanical Durability** | 100000 cycles |
| **Electrical Durability** | 100000 cycles AC-21<br>30000 cycles DC-1...5 |
| **IEC Terminal Connection** | Power circuit screw clamp terminals 0.02 in² (10 mm²) solid<br>Power circuit screw clamp terminals 0.009 in² (6 mm²) flexible - with cable end |
| **Tightening Torque** | Power circuit 18.6 lbf.in (2.1 N.m) screw clamp terminals |
| **Base Dimension** | 60 x 60 mm |
| **Height** | 2.9 in (74 mm) |
| **Width** | 2.4 in (60 mm) |
| **Product Weight** | 0.474 lb(US) (0.215 kg) |

## Environment

| | |
|---|---|
| **Standards** | IEC 60947-3 |
| **Product Certifications** | UL<br>GL<br>CSA<br>CCC<br>UKCA |
| **Degree of Protection** | IP20 conforming to IEC 60529<br>IP65 |
| **Protective Treatment** | TC |
| **Mechanical Robustness** | Vibrations 10...150 Hz 1 gn) IEC 60068-2-6<br>Shocks 11 ms 30 Gn) IEC 60068-2-27 |
| **Ambient Air Temperature for Operation** | -4…122 °F (-20…50 °C) |
| **Fire Resistance** | 1760 °F (960 °C) IEC 60695-2-1 |
| **Compatibility Code** | Main switch disconnector |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10CP121730 |
| **Discount Schedule** | 0CP1 |
| **GTIN** | 3389110724936 |
| **Returnability** | No |
| **Country of origin** | CZ |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 3.150 in (8.000 cm) |
| **Package 1 Width** | 3.346 in (8.500 cm) |
| **Package 1 Length** | 4.724 in (12.000 cm) |
| **Package weight(Lbs)** | 7.968 oz (225.900 g) |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 24 |
| **Package 2 Height** | 11.811 in (30.000 cm) |
| **Package 2 Width** | 11.811 in (30.000 cm) |
| **Package 2 Length** | 15.748 in (40.000 cm) |
| **Package 2 Weight** | 12.877 lb(US) (5.841 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **31 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **1 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **29 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.6 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **63dc4fbe-3f44-4801-881b-22a3bb8008d9** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| California proposition 65 | **WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov** |
| Halogen content performance | **Halogen free product** |
| PVC free | **Yes** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **57** |
| Circularity Profile | **No need of specific recycling operations** |
| Take-back | **No** |

| | |
|---|---|
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |