

# Product data sheet

Specifications



Switch disconnecter, TeSys Control, for ON/OFF, 175A, 4 screws fixing, for mounting on door

VBF6

Product availability: Stock - Normally stocked in distribution facility

## Main

|                    |                                    |
|--------------------|------------------------------------|
| Range              | TeSys                              |
| Product Name       | TeSys VARIO                        |
| Device Short Name  | VBF                                |
| Device Application | Preventive maintenance             |
| Product Type       | Emergency stop switch disconnecter |

## Complementary

|                                              |                                                                                                                                                                                                      |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Composition                           | Handle<br>Switch                                                                                                                                                                                     |
| Mounting Support                             | Handle door<br>Switch door                                                                                                                                                                           |
| Mounting Method                              | By 4 screws 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             | 30 kW 230...240 V AC-3)<br>37 kW 400...415 V AC-3)<br>37 kW 690 V AC-3)<br>45 kW 500 V AC-3)<br>45 kW 690 V AC-23A)<br>55 kW 500 V AC-23A)<br>30 kW 230...240 V AC-23A)<br>45 kW 400...415 V AC-23A) |
| [Ie] Rated Operational Current               | 83 A AC-23 Ue: 400 V                                                                                                                                                                                 |
| [Ith] Conventional Free Air Thermal Current  | 175 A                                                                                                                                                                                                |
| [Ithe] Conventional Enclosed Thermal Current | 140 A                                                                                                                                                                                                |
| Making Capacity ( I Rms)                     | 1750 A 400 V AC-21A<br>1750 A 400 V AC-22A<br>1750 A 400 V AC-23A                                                                                                                                    |
| Breaking Capacity                            | 1400 A 400 V AC-21A)<br>1400 A 400 V AC-22A)<br>1400 A 400 V AC-23A)                                                                                                                                 |
| Rated Conditional Short Circuit Current      | 10 kA 400 V 200 A aM<br>10 kA 400 V 200 A gG                                                                                                                                                         |
| [Icm] Rated Short Circuit Making Capacity    | 2.8 kA 400 V at Ipeak                                                                                                                                                                                |

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

|                                          |                                                                                                                                              |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| [Icw] Rated Short Time Withstand Current | 2100 A 400 V 1 s                                                                                                                             |
| [Uimp] Rated Impulse Withstand Voltage   | 8 kV                                                                                                                                         |
| Suitability for Isolation                | Yes                                                                                                                                          |
| Network Type                             | AC<br>DC                                                                                                                                     |
| Intermittent Duty Class                  | 30                                                                                                                                           |
| Control Type                             | Rotary handle                                                                                                                                |
| Rotary Handle Mounting Style             | Direct                                                                                                                                       |
| Handle Color                             | Black                                                                                                                                        |
| Handle Front Plate Color                 | Yellow                                                                                                                                       |
| Rotary Handle Padlocking                 | 1 to 3 padlocks 0.2...0.3 in (4...8 mm)                                                                                                      |
| Marking                                  | 0 - 1                                                                                                                                        |
| Mechanical Durability                    | 30000 cycles                                                                                                                                 |
| Electrical Durability                    | 30000 cycles AC-21<br>30000 cycles DC-1...5                                                                                                  |
| IEC Terminal Connection                  | Power circuit screw clamp terminals 0.1 in² (95 mm²) solid<br>Power circuit screw clamp terminals 0.1 in² (70 mm²) flexible - with cable end |
| Tightening Torque                        | Power circuit 200.03 lbf.in (22.6 N.m) screw clamp terminals                                                                                 |
| Base Dimension                           | 90 x 90 mm                                                                                                                                   |
| Height                                   | 4.9 in (125 mm)                                                                                                                              |
| Width                                    | 3.5 in (90 mm)                                                                                                                               |
| Product Weight                           | 2.6 lb(US) (1.2 kg)                                                                                                                          |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | IEC 60947-3                                                                      |
| Product Certifications                | GL<br>CSA<br>CCC<br>UL<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 disconnecter                                                         |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CP121730  |
| Discount Schedule | 0CP1          |
| GTIN              | 3389110804683 |
| Returnability     | Yes           |
| Country of origin | CZ            |

## Packing Units

|                              |                            |
|------------------------------|----------------------------|
| Unit Type of Package 1       | PCE                        |
| Nbr. of units in pkg.        | 1                          |
| Package 1 Height             | 3.94 in (10.000 cm)        |
| Package 1 Width              | 6.69 in (17.000 cm)        |
| Package 1 Length             | 6.89 in (17.500 cm)        |
| Package weight(Lbs)          | 2.341 lb(US) (1.062 kg)    |
| Unit Type of Package 2       | S03                        |
| Number of Units in Package 2 | 6                          |
| Package 2 Height             | 11.81 in (30.000 cm)       |
| Package 2 Width              | 11.81 in (30.000 cm)       |
| Package 2 Length             | 15.75 in (40.000 cm)       |
| Package 2 Weight             | 14.903 lb(US) (6.760 kg)   |
| Unit Type of Package 3       | P06                        |
| Number of Units in Package 3 | 48                         |
| Package 3 Height             | 29.53 in (75.000 cm)       |
| Package 3 Width              | 31.50 in (80.000 cm)       |
| Package 3 Length             | 23.62 in (60.000 cm)       |
| Package 3 Weight             | 136.863 lb(US) (62.080 kg) |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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                        |                                               |
|------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 40                                            |
| Environmental Disclosure                       | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                       |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                        |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions                                                                                                                                                                                                                                 |
| SCIP Number                            | 08e3f4ae-a23f-4b62-852e-546014a86c40                                                                                                                                                                                                                      |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                         |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |