

# Product data sheet

Specifications



Switch-disconnectors, TeSys  
Control, for ON/OFF, 32A, fixing by  
single hole Ø22.5mm, for mounting  
on door

VBD1

## 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 with 22.5 mm for 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 at 500 V (AC-23A)<br>15 kW at 690 V (AC-23A)<br>7.5 kW at 500 V (AC-3)<br>7.5 kW at 690 V (AC-3)<br>1.5 kW at 230...240 V (AC-3)<br>5.5 kW at 230...240 V (AC-23A)<br>11 kW at 400...415 V (AC-23A)<br>7.5 kW at 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 at 400 V AC-21A<br>320 A at 400 V AC-22A<br>320 A at 400 V AC-23A                                                                                                                                                                   |
| Breaking Capacity                            | 250 A at 400 V (AC-21A)<br>250 A at 400 V (AC-22A)<br>250 A at 400 V (AC-23A)                                                                                                                                                             |
| Rated Conditional Short Circuit Current      | 10 kA at 400 V - associated fuse 35 A aM<br>10 kA at 400 V - associated fuse 35 A gG                                                                                                                                                      |
| [Icm] Rated Short Circuit Making Capacity    | 1 kA at 400 V at Ipeak                                                                                                                                                                                                                    |
| [Icw] Rated Short Time Withstand Current     | 384 A at 400 V duration: 1 s                                                                                                                                                                                                              |

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

|                                               |                                                                                                                             |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>[Uimp] Rated Impulse Withstand Voltage</b> | 8 kV                                                                                                                        |
| <b>Suitability for Isolation</b>              | Yes                                                                                                                         |
| <b>Network Type</b>                           | DC<br>AC                                                                                                                    |
| <b>Intermittent Duty Class</b>                | 30                                                                                                                          |
| <b>Control Type</b>                           | Rotary handle                                                                                                               |
| <b>Rotary Handle Mounting Style</b>           | Direct                                                                                                                      |
| <b>Handle Color</b>                           | Black                                                                                                                       |
| <b>Handle Front Plate Color</b>               | Black                                                                                                                       |
| <b>Rotary Handle Padlocking</b>               | 1 to 3 padlocks 4...8 mm                                                                                                    |
| <b>Marking</b>                                | 0 - 1                                                                                                                       |
| <b>Mechanical Durability</b>                  | 100000 cycles                                                                                                               |
| <b>Electrical Durability</b>                  | 100000 cycles AC-21<br>30000 cycles DC-1...5                                                                                |
| <b>IEC Terminal Connection</b>                | Power circuit: screw clamp terminals10 mm² - solid<br>Power circuit: screw clamp terminals6 mm² - flexible - with cable end |
| <b>Tightening Torque</b>                      | Power circuit: 2.1 N.m - on screw clamp terminals                                                                           |
| <b>Base Dimension</b>                         | 60 x 60 mm                                                                                                                  |
| <b>Height</b>                                 | 74 mm                                                                                                                       |
| <b>Width</b>                                  | 60 mm                                                                                                                       |
| <b>Product Weight</b>                         | 0.215 kg                                                                                                                    |

## Environment

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

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 8.000 cm  |
| <b>Package 1 Width</b>              | 8.500 cm  |
| <b>Package 1 Length</b>             | 12.000 cm |
| <b>Package 1 Weight</b>             | 225.900 g |

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 24        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 5.841 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          |                                               |
|----------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint | 31                                            |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                       |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                       |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions                                                                                                                                                                                                                                 |
| SCIP Number                            | 63dc4fbe-3f44-4801-881b-22a3bb8008d9                                                                                                                                                                                                                      |
| 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> |
| Halogen-free status                    | Halogen free product                                                                                                                                                                                                                                      |
| PVC free                               | Yes                                                                                                                                                                                                                                                       |

Use Again

| Repack and remanufacture        |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | 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 |