



### Main

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

### 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 690 V (AC-23A)<br>3 KW at 230...240 V (AC-3)<br>4 KW at 400...415 V (AC-3)<br>5.5 KW at 500 V (AC-3)<br>7.5 KW at 500 V (AC-23A)<br>7.5 KW at 690 V (AC-3)<br>4 KW at 230...240 V (AC-23A)<br>5.5 kW at 400...415 V (AC-23A) |
| [Ie] Rated Operational Current               | 11 A AC-23 Ue: 400 V                                                                                                                                                                                                                  |
| [Ith] Conventional Free Air Thermal Current  | 20 A                                                                                                                                                                                                                                  |
| [Ithe] Conventional Enclosed Thermal Current | 16 A                                                                                                                                                                                                                                  |
| Making Capacity ( I Rms)                     | 200 A at 400 V AC-21A<br>200 A at 400 V AC-22A<br>200 A at 400 V AC-23A                                                                                                                                                               |
| Breaking Capacity                            | 200 A at 400 V (AC-21A)<br>200 A at 400 V (AC-22A)<br>200 A at 400 V (AC-23A)                                                                                                                                                         |
| Rated Conditional Short Circuit Current      | 10 KA at 400 V - associated fuse 20 A aM<br>10 kA at 400 V - associated fuse 20 A gG                                                                                                                                                  |
| [Icm] Rated Short Circuit Making Capacity    | 1 kA at 400 V at Ipeak                                                                                                                                                                                                                |
| [Icw] Rated Short Time Withstand Current     | 300 A at 400 V duration: 1 s                                                                                                                                                                                                          |
| [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 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 terminals10 mm <sup>2</sup> - solid<br>Power circuit: screw clamp terminals6 mm <sup>2</sup> - flexible - with cable end |
| Tightening Torque        | Power circuit: 2.1 N.m - on screw clamp terminals                                                                                                   |
| Base Dimension           | 60 x 60 mm                                                                                                                                          |
| Height                   | 74 mm                                                                                                                                               |
| Width                    | 60 mm                                                                                                                                               |
| Product Weight           | 0.215 kg                                                                                                                                            |

## Environment

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

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Weight             | 221 g  |
| Package 1 Height             | 7.8 cm |
| Package 1 width              | 8.4 cm |
| Package 1 Length             | 12 cm  |

## Offer Sustainability

|                             |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                             |
| REACH Regulation            |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC          | Yes                                                                                                                               |
| EU RoHS Directive           | Compliant  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free      | Yes                                                                                                                               |
| Mercury free                | Yes                                                                                                                               |
| RoHS exemption information  |  Yes                                           |
| China RoHS Regulation       |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure    |  <a href="#">Product Environmental Profile</a> |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |
| PVC free                    | Yes                                                                                                                               |
| Halogen content performance | Halogen free product                                                                                                              |

## Contractual warranty

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