



### Main

|                               |                        |
|-------------------------------|------------------------|
| Range                         | TeSys                  |
| Product name                  | TeSys VARIO            |
| Device short name             | VBD                    |
| Device application            | Preventive maintenance |
| Product or component type     | Switch disconnecter    |
| Performance level             | High performance       |
| Poles description             | 3P                     |
| Contacts type and composition | 3 NO                   |
| Network type                  | DC<br>AC               |
| Control type                  | Rotary handle          |
| Rotary handle mounting style  | Direct                 |
| Handle colour                 | Black                  |
| Handle front plate colour     | Black                  |
| Suitability for isolation     | Yes                    |

### Complementary

|   |                              |
|---|------------------------------|
| Rotary handle padlocking                    | 1 to 3 padlocks 4...8 mm     |
| Marking                                     | 0 - 1                        |
| Mounting support                            | Handle: door<br>Switch: door |
| Fixing mode                                 | Hole with 22.5 mm for handle |
| [Ue] rated operational voltage              | 690 V AC 50/60 Hz            |
| [Uimp] rated impulse withstand voltage      | 8 kV                         |
| [Ith] conventional free air thermal current | 32 A                         |

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

|  |   |
|--|---|
| [Ithe] conventional enclosed thermal current | 25 A  |
| [Ie] rated operational current               | 21.8 A AC-23 Ue: 400 V  |
| 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) |
| Intermittent duty class                      | 30  |
| 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   |
| [Icm] rated short-circuit making capacity    | 1 kA at 400 V at Ipeak  |
| [Icw] rated short-time withstand Rms current | 384 A at 400 V duration: 1 s  |
| 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  |
| 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)   |
| Device composition                           | Switch<br>Handle  |
| Mechanical durability                        | 100000 cycles   |
| Electrical durability                        | 100000 cycles AC-21<br>30000 cycles DC-1...5  |
| Connections - terminals                      | Power circuit: screw clamp terminals 10 mm <sup>2</sup> - solid<br>Power circuit: screw clamp terminals 6 mm <sup>2</sup> - flexible - with cable end   |
| Tightening torque                            | Power circuit: 2.1 N.m - on screw clamp terminals   |
| Handle front plate dimension                 | 60 x 60 mm  |
| Height                                       | 74 mm   |
| Width  | 60 mm   |
| Net weight                                   | 0.215 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-3  |
| Product certifications                | UL<br>GL<br>CSA<br>CCC   |
| Protective treatment                  | TC   |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP65   |
| 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   |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.222 kg |
| Package 1 Height | 0.790 dm |
| Package 1 width  | 0.850 dm |
| Package 1 Length | 1.200 dm |

## Offer Sustainability

|                          |                       |
|--------------------------|-----------------------|
| Sustainable offer status | Green Premium product |
|--------------------------|-----------------------|

|                             |   |
|-----------------------------|---|
| REACH Regulation            | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC          | Yes   |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free      | Yes   |
| Mercury free                | Yes   |
| RoHS exemption information  | <a href="#">Yes</a>   |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| 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 |
|----------|-----------|