

# Product data sheet

Specifications



## TeSys Vario - switch disconnecter - 80 A - on door

VBF4

### Main

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

### Complementary

|  |  |
|--|--|
| Device Composition                           | Switch<br>Handle   |
| Mounting Support                             | Handle: door<br>Switch: door   |
| Mounting Method                              | By 4 screws 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             | 18.5 kW at 690 V (AC-3)<br>15 kW at 230...240 V (AC-3)<br>22 kW at 400...415 V (AC-3)<br>30 kW at 500 V (AC-3)<br>30 kW at 690 V (AC-23A)<br>37 kW at 500 V (AC-23A)<br>18.5 kW at 230...240 V (AC-23A)<br>30 kW at 400...415 V (AC-23A) |
| [Ie] Rated Operational Current               | 57 A AC-23 Ue: 400 V   |
| [Ith] Conventional Free Air Thermal Current  | 80 A   |
| [Ithe] Conventional Enclosed Thermal Current | 63 A   |
| Making Capacity ( I Rms)                     | 800 A at 400 V AC-21A<br>800 A at 400 V AC-22A<br>800 A at 400 V AC-23A  |
| Breaking Capacity                            | 640 A at 400 V (AC-21A)<br>640 A at 400 V (AC-22A)<br>640 A at 400 V (AC-23A)  |
| Rated Conditional Short Circuit Current      | 10 kA at 400 V - associated fuse 80 A aM<br>10 kA at 400 V - associated fuse 80 A gG   |

|  |  |
|--|--|
| <b>[Icm] Rated Short Circuit Making Capacity</b> | 2.1 kA at 400 V at I <sub>peak</sub>   |
| <b>[Icw] Rated Short Time Withstand Current</b>  | 960 A at 400 V duration: 1 s   |
| <b>[Uimp] Rated Impulse Withstand Voltage</b>    | 8 kV   |
| <b>Suitability for Isolation</b>                 | Yes  |
| <b>Network Type</b>                              | AC<br>DC   |
| <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>                     | 30000 cycles   |
| <b>Electrical Durability</b>                     | 30000 cycles AC-21<br>30000 cycles DC-1...5  |
| <b>IEC Terminal Connection</b>                   | Power circuit: screw clamp terminals 25 mm <sup>2</sup> - solid<br>Power circuit: screw clamp terminals 16 mm <sup>2</sup> - flexible - with cable end |
| <b>Tightening Torque</b>                         | Power circuit: 4 N.m - on screw clamp terminals  |
| <b>Base Dimension</b>                            | 60 x 60 mm   |
| <b>Height</b>                                    | 83 mm  |
| <b>Width</b>                                     | 60 mm  |
| <b>Product Weight</b>                            | 0.56 kg  |

## Environment

|  |  |
|--|--|
| <b>Standards</b>                             | IEC 60947-3  |
| <b>Product Certifications</b>                | CSA<br>GL<br>UL<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>             | 7.800 cm  |
| <b>Package 1 Width</b>              | 8.200 cm  |
| <b>Package 1 Length</b>             | 11.700 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Weight             | 351.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 4.509 kg  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information   |
| RoHS exemption information | Yes   |
| 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   |
| 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> |

## Contractual warranty

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

## Recommended replacement(s)