

# Product datasheet

Specifications



## TeSys Vario - emergency stop switch disconnecter - 80 A - back of enclosure

Local distributor code: 385365664    VCCF4

### Main

|                   |                                    |
|-------------------|------------------------------------|
| Range             | TeSys                              |
| Product Name      | TeSys VARIO                        |
| Device Short Name | VCCF                               |
| Product Type      | Emergency stop switch disconnecter |

### Complementary

|                                              |                                                                                                                                                                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Composition                           | Handle<br>Switch<br>Shaft extension                                                                                                                                                                                                      |
| Mounting Support                             | Handle: door<br>Switch: symmetrical rail<br>Switch: plate                                                                                                                                                                                |
| Mounting Method                              | By 4 screws for handle<br>By clips for switch<br>By screws for switch                                                                                                                                                                    |
| 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)                                                                                                                                                            |

|                                                  |                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Conditional Short Circuit Current</b>   | 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 Ipeak                                                                                                     |
| <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>                              | DC<br>AC                                                                                                                     |
| <b>Intermittent Duty Class</b>                   | 30                                                                                                                           |
| <b>Control Type</b>                              | Rotary handle                                                                                                                |
| <b>Rotary Handle Mounting Style</b>              | Extended                                                                                                                     |
| <b>Handle Color</b>                              | Red                                                                                                                          |
| <b>Handle Front Plate Color</b>                  | Yellow                                                                                                                       |
| <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 terminals25 mm² - solid<br>Power circuit: screw clamp terminals16 mm² - 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>                            | 0.68 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 Weight</b>             | 569.0 g |
| <b>Package 1 Height</b>             | 9.6 cm  |

|                              |          |
|------------------------------|----------|
| Package 1 width              | 11.5 cm  |
| Package 1 Length             | 29.4 cm  |
| Unit Type of Package 2       | S06      |
| Number of Units in Package 2 | 55       |
| Package 2 Weight             | 43.91 kg |
| Package 2 Height             | 74 cm    |
| Package 2 width              | 60 cm    |
| Package 2 Length             | 80 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<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                                                                                                                         |

### Contractual warranty

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