



### Main

|                               |                  |
|-------------------------------|------------------|
| Range                         | TeSys            |
| Product name                  | TeSys VARIO      |
| Device short name             | V                |
| Product or component type     | Switch body      |
| Performance level             | High performance |
| Poles description             | 3P               |
| Contacts type and composition | 3 NO             |
| Network type                  | DC<br>AC         |
| Network frequency             | 50/60 Hz         |
| Suitability for isolation     | Yes              |

### Complementary

|                                              |                                                                                                                                                                                                          |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting support                             | Plate<br>Symmetrical rail                                                                                                                                                                                |
| [Ue] rated operational voltage               | 690 V AC 50/60 Hz                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage       | 8 kV                                                                                                                                                                                                     |
| [Ith] conventional free air thermal current  | 80 A                                                                                                                                                                                                     |
| [Ithe] conventional enclosed thermal current | 63 A                                                                                                                                                                                                     |
| [Ie] rated operational current               | 57 A AC-23 Ue: 400 V                                                                                                                                                                                     |
| Rated operational power in W                 | 15 KW 230...240 V AC-3)<br>22 KW 400...415 V AC-3)<br>30 KW 500 V AC-3)<br>30 KW 690 V AC-23A)<br>37 KW 500 V AC-23A)<br>18.5 KW 690 V AC-3)<br>18.5 KW 230...240 V AC-23A)<br>30 kW 400...415 V AC-23A) |
| Intermittent duty class                      | 30                                                                                                                                                                                                       |
| Making capacity ( I Rms)                     | 800 A 400 V AC-21A<br>800 A 400 V AC-22A<br>800 A 400 V AC-23A                                                                                                                                           |
| [Icm] rated short-circuit making capacity    | 2.1 kA 400 V at Ipeak                                                                                                                                                                                    |
| [Icw] rated short-time withstand Rms current | 960 A 400 V 1 s                                                                                                                                                                                          |
| Rated conditional short-circuit current      | 10 KA 400 V 80 A aM<br>10 kA 400 V 80 A gG                                                                                                                                                               |
| Breaking capacity                            | 640 A 400 V AC-21A)<br>640 A 400 V AC-22A)<br>640 A 400 V AC-23A)                                                                                                                                        |
| Mechanical durability                        | 30000 cycles                                                                                                                                                                                             |
| Electrical durability                        | 30000 Cycles AC-21<br>30000 cycles DC-1...5                                                                                                                                                              |
| Connections - terminals                      | Power circuit screw clamp terminals 0.02 in <sup>2</sup> (16 mm <sup>2</sup> ) flexible - with cable end<br>Power circuit screw clamp terminals 0.04 in <sup>2</sup> (25 mm <sup>2</sup> ) solid         |
| Tightening torque                            | Power circuit 35.40 lbf.in (4 N.m) screw clamp terminals                                                                                                                                                 |
| Maximum Height                               | 3.27 in (83 mm)                                                                                                                                                                                          |
| Maximum Width                                | 2.36 in (60 mm)                                                                                                                                                                                          |
| Maximum Depth                                | 2.56 in (65 mm)                                                                                                                                                                                          |
| Net Weight                                   | 1.10 lb(US) (0.5 kg)                                                                                                                                                                                     |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | IEC 60947-3                                                                      |
| Product certifications                | GL<br>CSA<br>UL                                                                  |
| Protective treatment                  | TC                                                                               |
| IP degree of protection               | IP20 IEC 60529                                                                   |
| Mechanical robustness                 | Vibrations 10...150 Hz 1 gn) IEC 60068-2-6<br>Shocks 11 ms 30 Gn) IEC 60068-2-27 |
| Ambient air temperature for operation | -4...122 °F (-20...50 °C)                                                        |
| Fire resistance                       | 1760 °F (960 °C) IEC 60695-2-1                                                   |

## Ordering and shipping details

|                       |                        |
|-----------------------|------------------------|
| Category              | 21730 - V VARIO SWITCH |
| Discount Schedule     | CP1                    |
| GTIN                  | 00785901305699         |
| Nbr. of units in pkg. | 1                      |
| Package weight(Lbs)   | 0.64 lb(US) (0.29 kg)  |
| Returnability         | Yes                    |
| Country of origin     | CZ                     |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Package 1 Height             | 3.15 in (8 cm)            |
| Package 1 width              | 3.35 in (8.5 cm)          |
| Package 1 Length             | 4.72 in (12 cm)           |
| Unit Type of Package 2       | S02                       |
| Number of Units in Package 2 | 12                        |
| Package 2 Weight             | 8.37 lb(US) (3.796 kg)    |
| Package 2 Height             | 5.91 in (15 cm)           |
| Package 2 width              | 11.81 in (30 cm)          |
| Package 2 Length             | 15.75 in (40 cm)          |
| Unit Type of Package 3       | P06                       |
| Number of Units in Package 3 | 192                       |
| Package 3 Weight             | 158.39 lb(US) (71.844 kg) |
| Package 3 Height             | 31.50 in (80 cm)          |
| Package 3 width              | 31.50 in (80 cm)          |
| Package 3 Length             | 23.62 in (60 cm)          |

## Offer Sustainability

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                        |
| 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 | <a href="#">Yes</a>                                                                                                          |
| 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. |

## Contractual warranty

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