# Product data sheet
## Characteristics

# VCD01
Switch-disconnectors,TeSys Control,for ON/ emergency stop,20A(V01),fixing by single hole Ø22.5mm,for mounting on door




## Main

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|---|---|
| Range | TeSys |
| Product name | TeSys VARIO |
| Device short name | VCD |
| Product or component type | Emergency stop switch disconnector |

## Complementary

| | |
|---|---|
| Device composition | Switch<br>Handle |
| Mounting support | Handle: door<br>Switch: door |
| Fixing mode | Hole with 22.5 mm for handle |
| Performance level | High performance |
| Poles description | 3P |
| Contacts type and composition | 3 NO |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| 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 | 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 |

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|---|---|
| Intermittent duty class | 30 |
| Control type | Rotary handle |
| Rotary handle mounting style | Direct |
| Handle colour | Red |
| Handle front plate colour | Yellow |
| 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 |
| Connections - terminals | Power circuit: screw clamp terminals10 mm² - solid<br>Power circuit: screw clamp terminals6 mm² - 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 |
| Net weight | 0.215 Kg |

## Environment

| | |
|---|---|
| Standards | IEC 60947-3 |
| Product certifications | GL[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]UKCA |
| IP 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 disconnector |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.000 Cm |
| Package 1 Width | 9.500 Cm |
| Package 1 Length | 12.000 Cm |
| Package 1 Weight | 225.000 G |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 5.893 Kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 192 |
| Package 3 Height | 75.000 Cm |
| Package 3 Width | 60.000 Cm |
| Package 3 Length | 80.000 Cm |
| Package 3 Weight | 56.636 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 57 |
| Total lifecycle Carbon footprint | 31 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1.3581194397235652 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0418963550610933 |

| | |
|---|---|
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.01885065599961971 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 28.971796700100345 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 29 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.5701465250839837 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.6 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 31 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 63dc4fbe-3f44-4801-881b-22a3bb8008d9 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony tr |
| Halogen-free status | Halogen free product |
| PVC free | Yes |
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised