

# VCD01

switch-disconnector VCD - TeSys - 3 poles -  
690 V 20 A - padlockable red handle



## Main

|   |                            |
|---|----------------------------|
| Commercial Status                           | Commercialised             |
| Range of product                            | TeSys VARIO                |
| Device short name                           | Main switch disconnector   |
| Product or component type                   | Rotary switch disconnector |
| Performance level                           | High performance           |
| Switch function                             | Emergency stop             |
| Poles description                           | 3P                         |
| Network type                                | AC                         |
| Rotary handle mounting style                | Direct                     |
| Handle colour                               | Red                        |
| Handle front plate colour                   | Yellow                     |
| [Ith] conventional free air thermal current | 20 A                       |
| Suitability for isolation                   | Yes                        |

## Complementary

|  |   |
|--|---|
| Kit composition                              | Red handle<br>V01 switch body                       |
| Control type                                 | With emergency stop                                 |
| Rotary handle padlocking                     | Up to 3 padlocks                                    |
| Mounting support                             | Symmetrical rail for body<br>Door for rotary handle |
| [Ue] rated operational voltage               | 690 V AC 50/60 Hz                                   |
| [Uimp] rated impulse withstand voltage       | 8 kV  |
| [Ithe] conventional enclosed thermal current | 16 A  |

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0.7 A at 250 V L/R = 1 ms DC-1 1  
0.6 A at 250 V L/R = 1 ms DC-5 2  
0.6 A at 250 V L/R = 1 ms DC-4 2  
0.6 A at 250 V L/R = 1 ms DC-3 2  
0.6 A at 250 V L/R = 1 ms DC-2 2  
0.5 A at 220 V L/R = 1 ms DC-5 1  
0.5 A at 220 V L/R = 1 ms DC-4 1  
0.5 A at 220 V L/R = 1 ms DC-3 1  
0.5 A at 220 V L/R = 1 ms DC-2 1  
0.4 A at 250 V L/R = 1 ms DC-5 1  
0.4 A at 250 V L/R = 1 ms DC-4 1  
0.4 A at 250 V L/R = 1 ms DC-3 1  
0.4 A at 250 V L/R = 1 ms DC-2 1  
2.4 A at 250 V L/R = 1 ms DC-5 3  
2.4 A at 250 V L/R = 1 ms DC-4 3  
2.4 A at 250 V L/R = 1 ms DC-3 3  
2.4 A at 250 V L/R = 1 ms DC-2 3  
12.3 A at 690 V AC-23A  
11.9 A at 500 V AC-23A  
1.5 A at 220 V L/R = 1 ms DC-5 2  
1.5 A at 220 V L/R = 1 ms DC-4 2  
1.5 A at 220 V L/R = 1 ms DC-3 2  
1.5 A at 220 V L/R = 1 ms DC-2 2  
8 A at 220 V L/R = 1 ms DC-1 2  
4 A at 250 V L/R = 1 ms DC-1 2  
4 A at 110 V L/R = 1 ms DC-5 2  
4 A at 110 V L/R = 1 ms DC-4 2  
4 A at 110 V L/R = 1 ms DC-3 2  
4 A at 110 V L/R = 1 ms DC-2 2  
20 A at 60 V L/R = 1 ms DC-5 3  
20 A at 60 V L/R = 1 ms DC-5 2  
20 A at 60 V L/R = 1 ms DC-4 3  
20 A at 60 V L/R = 1 ms DC-4 2  
20 A at 60 V L/R = 1 ms DC-3 3  
20 A at 60 V L/R = 1 ms DC-3 2  
20 A at 60 V L/R = 1 ms DC-2 3  
20 A at 60 V L/R = 1 ms DC-2 2  
20 A at 60 V L/R = 1 ms DC-1 3  
20 A at 60 V L/R = 1 ms DC-1 2  
20 A at 60 V L/R = 1 ms DC-1 1  
20 A at 48 V L/R = 1 ms DC-5 3  
20 A at 48 V L/R = 1 ms DC-5 2  
20 A at 48 V L/R = 1 ms DC-5 1  
20 A at 48 V L/R = 1 ms DC-4 3  
20 A at 48 V L/R = 1 ms DC-4 2  
20 A at 48 V L/R = 1 ms DC-4 1  
20 A at 48 V L/R = 1 ms DC-3 3  
20 A at 48 V L/R = 1 ms DC-3 2  
20 A at 48 V L/R = 1 ms DC-3 1  
20 A at 48 V L/R = 1 ms DC-2 3  
20 A at 48 V L/R = 1 ms DC-2 2  
20 A at 48 V L/R = 1 ms DC-2 1  
20 A at 48 V L/R = 1 ms DC-1 3  
20 A at 48 V L/R = 1 ms DC-1 2  
20 A at 48 V L/R = 1 ms DC-1 1  
20 A at 24 V L/R = 1 ms DC-5 3  
20 A at 24 V L/R = 1 ms DC-5 2  
20 A at 24 V L/R = 1 ms DC-5 1  
20 A at 24 V L/R = 1 ms DC-4 3  
20 A at 24 V L/R = 1 ms DC-4 2  
20 A at 24 V L/R = 1 ms DC-4 1  
20 A at 24 V L/R = 1 ms DC-3 3  
20 A at 24 V L/R = 1 ms DC-3 2  
20 A at 24 V L/R = 1 ms DC-3 1  
20 A at 24 V L/R = 1 ms DC-2 3  
20 A at 24 V L/R = 1 ms DC-2 2  
20 A at 24 V L/R = 1 ms DC-2 1  
20 A at 24 V L/R = 1 ms DC-1 3  
20 A at 24 V L/R = 1 ms DC-1 2  
20 A at 24 V L/R = 1 ms DC-1 1  
20 A at 230...690 V AC-22A  
20 A at 230...690 V AC-21A  
20 A at 110 V L/R = 1 ms DC-5 3  
20 A at 110 V L/R = 1 ms DC-4 3  
20 A at 110 V L/R = 1 ms DC-3 3  
20 A at 110 V L/R = 1 ms DC-2 3  
20 A at 110 V L/R = 1 ms DC-1 3  
2 A at 220 V L/R = 1 ms DC-5 3  
2 A at 220 V L/R = 1 ms DC-4 3  
2 A at 220 V L/R = 1 ms DC-3 3  
2 A at 220 V L/R = 1 ms DC-2 3  
2 A at 220 V L/R = 1 ms DC-1 1  
2 A at 110 V L/R = 1 ms DC-5 1  
2 A at 110 V L/R = 1 ms DC-4 1  
2 A at 110 V L/R = 1 ms DC-3 1

|   |   |
|---|---|
| Rated operational power in W              | 7.5 kW at 690 V AC-3<br>7.5 kW at 500 V AC-23A<br>5.5 kW at 500 V AC-3<br>5.5 kW at 415 V AC-23A<br>5.5 kW at 400 V AC-23A<br>4 kW at 400...415 V AC-3<br>4 kW at 240 V AC-23A<br>4 kW at 230 V AC-23A<br>3 kW at 230...240 V AC-3<br>11 kW at 690 V AC-23A |
| Intermittent duty class                   | 30  |
| Making capacity                           | 200 A at 400 V (AC-23A)<br>200 A at 400 V (AC-22A)<br>200 A at 400 V (AC-21A)   |
| [Icm] rated short-circuit making capacity | 1 kA at 400 V at Ipeak  |
| [Icw] rated short-time withstand current  | 140 kA at 400 V during 1 s  |
| Rated conditional short-circuit current   | 10 kA at 400 V - associated fuse 20 A gG<br>10 kA at 400 V - associated fuse 20 A aM  |
| Breaking capacity                         | 200 kA at 400 V AC-23A<br>200 kA at 400 V AC-22A<br>200 kA at 400 V AC-21A  |
| Mechanical durability                     | 100000 cycles   |
| Electrical durability                     | 30000 cycles on DC-1...5<br>100000 cycles on AC-21  |
| Connections - terminals                   | Power circuit : screw terminals cable 6 mm <sup>2</sup> - cable stiffness: flexible - with cable end<br>Power circuit : screw terminals cable 10 mm <sup>2</sup> - cable stiffness: solid -   |
| Tightening torque                         | Power circuit : 2.1 N.m - on screw terminals  |
| Provision for padlocking                  | Padlockable   |
| Marking                                   | 0 - 1   |
| Handle front plate dimension              | 60 x 60 mm  |
| Height                                    | 60 mm   |
| Width                                     | 60 mm   |
| Product weight                            | 0.215 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | IEC 60947-3  |
| Product certifications                | CCC<br>CSA<br>GL<br>UL                                       |
| Protective treatment                  | TC   |
| IP degree of protection               | IP65<br>IP20 with protection shrouds conforming to IEC 60529 |
| Shock resistance                      | 30 gn conforming to IEC 60068-2-27                           |
| Vibration resistance                  | 1 gn conforming to IEC 60068-2-6                             |
| Ambient air temperature for operation | -20...50 °C  |
| Fire resistance                       | 960 °C conforming to IEC 60695-2-1                           |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS                             | Compliant - since 0733 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Need no specific recycling operations   |