

VCDN20

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



Main

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

Complementary

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| Kit composition | Red handle VN20 switch body |
| Control type | With emergency stop |
| Rotary handle padlocking | Upto 3 padlocks |
| Mounting support | Symmetrical rail for body Door for rotary handle |
| [lthe] 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

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| Rated operational power in W | 7.5 W at 500 V AC-23A 5.5 W at 690 V AC-3 5.5 W at 500 V AC-3 5.5 W at 415 V AC-23A 5.5 W at 400 V AC-23A 4 W at 400...415 V AC-3 4 W at 240 V AC-23A 4 W at 230 V AC-23A 3 W at 230...240 V AC-3 11 W at 690 V AC-23A |
| Intermittent duty class | 30 |
| Making capacity | 200 A at 400 V (AC-23A) 200 A at 400 V (AC-22A) 200 A at 400 V (AC-21A) |
| [Icm] rated short-circuit making capacity | 0.5 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 | 6 kA at 400 V - associated fuse 20 A gG 6 kA at 400 V - associated fuse 20 A aM |
| Breaking capacity | 200 kA at 400 V AC-23A 200 kA at 400 V AC-22A 200 kA at 400 V AC-21A |
| Mechanical durability | 50000 cycles |
| Electrical durability | 50000 cycles on AC-21 30000 cycles on DC-1...5 |
| Connections - terminals | Power circuit: screw terminals cable 4 mm ² - cable stiffness: solid - Power circuit: screw terminals cable 4 mm ² - cable stiffness: flexible - with cable end |
| Tightening torque | Power circuit: 0.7 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 | 0.177 kg |

Environment

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|-------------------------|--|
| Standards | IEC 60947-3 |
| Product certifications | CCC CSA GL UL |
| Protective treatment | TC |
| IP degree of protection | IP65 IP20 with protection shrouds conforming to IEC 60529 |

RoHS compliance

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|--------------------------------|-----------|
| RoHS EUR status | Compliant |
| RoHS EUR conformity date(YYWW) | 0733 |

Contractual warranty

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| Period | 18 months |
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