

VCF02

switch-disconnector VCF - TeSys - 3 poles -
690 V 12 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 | 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 | 12 A |
| Suitability for isolation | Yes |

Complementary

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| Kit composition | Red handle V02 switch body |
| Control type | With emergency stop |
| Rotary handle padlocking | Upto 3 padlocks |
| Mounting support | Symmetrical rail for body 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 | 10 A |

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1.5 A at 220 V L/R = 1 ms DC-1 1
1.5 A at 110 V L/R = 1 ms DC-5 1
1.5 A at 110 V L/R = 1 ms DC-4 1
1.5 A at 110 V L/R = 1 ms DC-3 1
1.5 A at 110 V L/R = 1 ms DC-2 1
1.5 A at 110 V L/R = 1 ms DC-1 1
1.4 A at 220 V L/R = 1 ms DC-5 2
1.4 A at 220 V L/R = 1 ms DC-4 2
1.4 A at 220 V L/R = 1 ms DC-3 2
1.4 A at 220 V L/R = 1 ms DC-2 2
1.2 A at 250 V L/R = 1 ms DC-5 3
1.2 A at 250 V L/R = 1 ms DC-4 3
1.2 A at 250 V L/R = 1 ms DC-3 3
1.2 A at 250 V L/R = 1 ms DC-2 3
0.6 A at 250 V L/R = 1 ms DC-1 1
0.4 A at 250 V L/R = 1 ms DC-5 2
0.4 A at 250 V L/R = 1 ms DC-4 2
0.4 A at 250 V L/R = 1 ms DC-3 2
0.4 A at 250 V L/R = 1 ms DC-2 2
0.4 A at 220 V L/R = 1 ms DC-5 1
0.4 A at 220 V L/R = 1 ms DC-4 1
0.4 A at 220 V L/R = 1 ms DC-3 1
0.4 A at 220 V L/R = 1 ms DC-2 1
0.3 A at 250 V L/R = 1 ms DC-5 1
0.3 A at 250 V L/R = 1 ms DC-4 1
0.3 A at 250 V L/R = 1 ms DC-3 1
0.3 A at 250 V L/R = 1 ms DC-2 1
8.9 A at 500 V AC-23A
8.6 A at 690 V AC-23A
8.1 A at 415 V AC-23A
8.1 A at 400 V AC-23A
10.6 A at 240 V AC-23A
10.6 A at 230 V AC-23A
8 A at 250 V L/R = 1 ms DC-1 3
8 A at 110 V L/R = 1 ms DC-1 2
7 A at 220 V L/R = 1 ms DC-1 2
3 A at 250 V L/R = 1 ms DC-1 2
3 A at 110 V L/R = 1 ms DC-5 2
3 A at 110 V L/R = 1 ms DC-4 2
3 A at 110 V L/R = 1 ms DC-3 2
3 A at 110 V L/R = 1 ms DC-2 2
12 A at 60 V L/R = 1 ms DC-5 3
12 A at 60 V L/R = 1 ms DC-5 2
12 A at 60 V L/R = 1 ms DC-4 3
12 A at 60 V L/R = 1 ms DC-4 2
12 A at 60 V L/R = 1 ms DC-3 3
12 A at 60 V L/R = 1 ms DC-3 2
12 A at 60 V L/R = 1 ms DC-2 3
12 A at 60 V L/R = 1 ms DC-2 2
12 A at 60 V L/R = 1 ms DC-1 3
12 A at 60 V L/R = 1 ms DC-1 2
12 A at 60 V L/R = 1 ms DC-1 1
12 A at 48 V L/R = 1 ms DC-5 3
12 A at 48 V L/R = 1 ms DC-5 2
12 A at 48 V L/R = 1 ms DC-5 1
12 A at 48 V L/R = 1 ms DC-4 3
12 A at 48 V L/R = 1 ms DC-4 2
12 A at 48 V L/R = 1 ms DC-4 1
12 A at 48 V L/R = 1 ms DC-3 3
12 A at 48 V L/R = 1 ms DC-3 2
12 A at 48 V L/R = 1 ms DC-3 1
12 A at 48 V L/R = 1 ms DC-2 3
12 A at 48 V L/R = 1 ms DC-2 2
12 A at 48 V L/R = 1 ms DC-2 1
12 A at 48 V L/R = 1 ms DC-1 3
12 A at 48 V L/R = 1 ms DC-1 2
12 A at 48 V L/R = 1 ms DC-1 1
12 A at 24 V L/R = 1 ms DC-5 3
12 A at 24 V L/R = 1 ms DC-5 2
12 A at 24 V L/R = 1 ms DC-5 1
12 A at 24 V L/R = 1 ms DC-4 3
12 A at 24 V L/R = 1 ms DC-4 2
12 A at 24 V L/R = 1 ms DC-4 1
12 A at 24 V L/R = 1 ms DC-3 3
12 A at 24 V L/R = 1 ms DC-3 2
12 A at 24 V L/R = 1 ms DC-3 1
12 A at 24 V L/R = 1 ms DC-2 3
12 A at 24 V L/R = 1 ms DC-2 2
12 A at 24 V L/R = 1 ms DC-2 1
12 A at 24 V L/R = 1 ms DC-1 3
12 A at 24 V L/R = 1 ms DC-1 2
12 A at 24 V L/R = 1 ms DC-1 1
12 A at 230...690 V AC-22A
12 A at 230...690 V AC-21A
12 A at 110 V L/R = 1 ms DC-5 3

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| Rated operational power in W | 7.5 kW at 690 V AC-23A 5.5 kW at 690 V AC-3 5.5 kW at 500 V AC-23A 1.5 kW at 230...240 V AC-3 4 kW at 500 V AC-3 4 kW at 415 V AC-23A 4 kW at 400 V AC-23A 3 kW at 400...415 V AC-3 3 kW at 240 V AC-23A 3 kW at 230 V AC-23A |
| Intermittent duty class | 30 |
| Making capacity | 120 A at 400 V (AC-23A) 120 A at 400 V (AC-22A) 120 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 | 300 kA at 400 V during 1 s |
| Rated conditional short-circuit current | 10 kA at 400 V - associated fuse 12 A gG 10 kA at 400 V - associated fuse 12 A aM |
| Breaking capacity | 120 kA at 400 V AC-23A 120 kA at 400 V AC-22A 120 kA at 400 V AC-21A |
| Mechanical durability | 100000 cycles |
| Electrical durability | 30000 cycles on DC-5 30000 cycles on DC-4 30000 cycles on DC-3 30000 cycles on DC-2 30000 cycles on DC-1 100000 cycles on AC-21 |
| Connections - terminals | Power circuit: screw terminals cable 6 mm ² - cable stiffness: flexible - with cable end Power circuit: screw terminals cable 10 mm ² - 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 | 0.25 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 |
| 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 |

RoHS compliance

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| RoHS EUR status | Compliant |
| RoHS EUR conformity date(Y Y W W) | 0733 |

Contractual warranty

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| Period | 18 months |
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