



Main

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| Commercial Status | Commercialised |
| Range of product | TeSys VARIO |
| Device short name | V |
| Product or component type | Switch body |
| Poles description | 3P |
| Network type | AC DC |
| [I _{th}] conventional free air thermal current | 32 A |
| Suitability for isolation | Yes |

Complementary

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|---|---------------------------------|
| Network frequency | 50/60 Hz |
| Mounting support | Enclosure door Plate Rail |
| [U _e] rated operational voltage | 690 V AC 50/60 Hz |
| [U _{imp}] rated impulse withstand voltage | 8 kV |
| [I _{the}] conventional enclosed thermal current | 25 A |

[I_e] rated operational current

0.8 A at 250 V L/R = 1 ms DC-5 1
0.8 A at 250 V L/R = 1 ms DC-4 1
0.8 A at 250 V L/R = 1 ms DC-3 1
0.8 A at 250 V L/R = 1 ms DC-2 1
0.8 A at 220 V L/R = 1 ms DC-5 1
0.8 A at 220 V L/R = 1 ms DC-4 1
0.8 A at 220 V L/R = 1 ms DC-3 1
0.8 A at 220 V L/R = 1 ms DC-2 1
21.8 A at 400 V AC-23A
19.7 A at 230 V AC-23A
18.9 A at 240 V AC-23A
17.5 A at 690 V AC-23A
16.7 A at 500 V AC-23A
8 A at 250 V L/R = 1 ms DC-1 2
6 A at 110 V L/R = 1 ms DC-5 2
6 A at 110 V L/R = 1 ms DC-4 2
6 A at 110 V L/R = 1 ms DC-3 2
6 A at 110 V L/R = 1 ms DC-2 2
4 A at 220 V L/R = 1 ms DC-5 3
4 A at 220 V L/R = 1 ms DC-4 3
4 A at 220 V L/R = 1 ms DC-3 3
4 A at 220 V L/R = 1 ms DC-2 3
32 A at 60 V L/R = 1 ms DC-5 3
32 A at 60 V L/R = 1 ms DC-5 2
32 A at 60 V L/R = 1 ms DC-4 3
32 A at 60 V L/R = 1 ms DC-4 2
32 A at 60 V L/R = 1 ms DC-3 3
32 A at 60 V L/R = 1 ms DC-3 2
32 A at 60 V L/R = 1 ms DC-2 3
32 A at 60 V L/R = 1 ms DC-2 2
32 A at 60 V L/R = 1 ms DC-1 3
32 A at 60 V L/R = 1 ms DC-1 2
32 A at 60 V L/R = 1 ms DC-1 1
32 A at 48 V L/R = 1 ms DC-5 3
32 A at 48 V L/R = 1 ms DC-5 2
32 A at 48 V L/R = 1 ms DC-5 1
32 A at 48 V L/R = 1 ms DC-4 3
32 A at 48 V L/R = 1 ms DC-4 2
32 A at 48 V L/R = 1 ms DC-4 1
32 A at 48 V L/R = 1 ms DC-3 3
32 A at 48 V L/R = 1 ms DC-3 2
32 A at 48 V L/R = 1 ms DC-3 1
32 A at 48 V L/R = 1 ms DC-2 3
32 A at 48 V L/R = 1 ms DC-2 2
32 A at 48 V L/R = 1 ms DC-2 1
32 A at 48 V L/R = 1 ms DC-1 3
32 A at 48 V L/R = 1 ms DC-1 2
32 A at 48 V L/R = 1 ms DC-1 1
32 A at 24 V L/R = 1 ms DC-5 3
32 A at 24 V L/R = 1 ms DC-5 2
32 A at 24 V L/R = 1 ms DC-5 1
32 A at 24 V L/R = 1 ms DC-4 3
32 A at 24 V L/R = 1 ms DC-4 2
32 A at 24 V L/R = 1 ms DC-4 1
32 A at 24 V L/R = 1 ms DC-3 3
32 A at 24 V L/R = 1 ms DC-3 2
32 A at 24 V L/R = 1 ms DC-3 1
32 A at 24 V L/R = 1 ms DC-2 3
32 A at 24 V L/R = 1 ms DC-2 2
32 A at 24 V L/R = 1 ms DC-2 1
32 A at 24 V L/R = 1 ms DC-1 3
32 A at 24 V L/R = 1 ms DC-1 2
32 A at 24 V L/R = 1 ms DC-1 1
32 A at 230...690 V AC-22A
32 A at 230...690 V AC-21A
32 A at 110 V L/R = 1 ms DC-5 3
32 A at 110 V L/R = 1 ms DC-4 3
32 A at 110 V L/R = 1 ms DC-3 3
32 A at 110 V L/R = 1 ms DC-2 3
32 A at 110 V L/R = 1 ms DC-1 3
3 A at 220 V L/R = 1 ms DC-1 1
3 A at 110 V L/R = 1 ms DC-5 1
3 A at 110 V L/R = 1 ms DC-4 1
3 A at 110 V L/R = 1 ms DC-3 1
3 A at 110 V L/R = 1 ms DC-2 1
21 A at 415 V AC-23A
20 A at 60 V L/R = 1 ms DC-5 1
20 A at 60 V L/R = 1 ms DC-4 1
20 A at 60 V L/R = 1 ms DC-3 1
20 A at 60 V L/R = 1 ms DC-2 1
20 A at 220 V L/R = 1 ms DC-1 3
2 A at 250 V L/R = 1 ms DC-5 3
2 A at 250 V L/R = 1 ms DC-4 3
2 A at 250 V L/R = 1 ms DC-3 3
2 A at 250 V L/R = 1 ms DC-2 3

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|---|---|
| Rated operational power in W | 7.5 kW at 500 V AC-3 7.5 kW at 400...415 V AC-3 5.5 kW at 240 V AC-23A 5.5 kW at 230 V AC-23A 4 kW at 230...240 V AC-3 15 kW at 690 V AC-23A 11 kW at 690 V AC-3 11 kW at 500 V AC-23A 11 kW at 415 V AC-23A 11 kW at 400 V AC-23A |
| Intermittent duty class | 30 |
| Breaking capacity | 250 A at 400 V AC-23A 250 A at 400 V AC-22A 250 A at 400 V AC-21A |
| Making capacity | 320 A at 400 V (AC-23A) 320 A at 400 V (AC-22A) 320 A at 400 V (AC-21A) |
| [Icm] rated short-circuit making capacity | 1 kA at 400 V at I _{peak} |
| [Icw] rated short-time withstand current | 384 A at 400 V during 1 s |
| Rated conditional short-circuit current | 10 kA at 400 V - associated fuse 35 A gG 10 kA at 400 V - associated fuse 35 A aM |
| Mechanical durability | 100000 cycles |
| Electrical durability | 30000 cycles on DC-1...5 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 | Yes |
| Height | 74 mm |
| Width | 55 mm |
| Depth | 60 mm |
| Product weight | 0.2 kg |

Environment

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|---------------------------------------|--|
| Standards | IEC 60947-3 |
| Product certifications | CCC CSA GL UL |
| Protective treatment | TC |
| IP degree of protection | 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) | 0730 |

Contractual warranty

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| Period | 18 months |
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