



Main

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| Commercial Status | Commercialised |
| Range of product | TeSys VARIO |
| Device short name | Main pole module |
| Product or component type | Add-on modules |
| Poles description | 1P |
| Network type | AC DC |
| [Ith] conventional free air thermal current | 63 A |
| Suitability for isolation | Yes |

Complementary

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| Network frequency | 50/60 Hz |
| Mounting location | Left Right |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ithe] conventional enclosed thermal current | 50 A |

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1.2 A at 250 V L/R = 1 ms DC-5 1
1.2 A at 250 V L/R = 1 ms DC-4 1
1.2 A at 250 V L/R = 1 ms DC-3 1
1.2 A at 250 V L/R = 1 ms DC-2 1
50.3 A at 230 V AC-23A
48.2 A at 240 V AC-23A
41.5 A at 400 V AC-23A
1.5 A at 220 V L/R = 1 ms DC-5 1
1.5 A at 220 V L/R = 1 ms DC-4 1
1.5 A at 220 V L/R = 1 ms DC-3 1
1.5 A at 220 V L/R = 1 ms DC-2 1
8 A at 250 V L/R = 1 ms DC-5 3
8 A at 250 V L/R = 1 ms DC-4 3
8 A at 250 V L/R = 1 ms DC-3 3
8 A at 250 V L/R = 1 ms DC-2 3
63 A at 60 V L/R = 1 ms DC-5 3
63 A at 60 V L/R = 1 ms DC-5 2
63 A at 60 V L/R = 1 ms DC-4 3
63 A at 60 V L/R = 1 ms DC-4 2
63 A at 60 V L/R = 1 ms DC-3 3
63 A at 60 V L/R = 1 ms DC-3 2
63 A at 60 V L/R = 1 ms DC-2 3
63 A at 60 V L/R = 1 ms DC-2 2
63 A at 60 V L/R = 1 ms DC-1 3
63 A at 60 V L/R = 1 ms DC-1 2
63 A at 48 V L/R = 1 ms DC-5 3
63 A at 48 V L/R = 1 ms DC-5 2
63 A at 48 V L/R = 1 ms DC-5 1
63 A at 48 V L/R = 1 ms DC-4 3
63 A at 48 V L/R = 1 ms DC-4 2
63 A at 48 V L/R = 1 ms DC-4 1
63 A at 48 V L/R = 1 ms DC-3 3
63 A at 48 V L/R = 1 ms DC-3 2
63 A at 48 V L/R = 1 ms DC-3 1
63 A at 48 V L/R = 1 ms DC-2 3
63 A at 48 V L/R = 1 ms DC-2 2
63 A at 48 V L/R = 1 ms DC-2 1
63 A at 48 V L/R = 1 ms DC-1 3
63 A at 48 V L/R = 1 ms DC-1 2
63 A at 48 V L/R = 1 ms DC-1 1
63 A at 24 V L/R = 1 ms DC-5 3
63 A at 24 V L/R = 1 ms DC-5 2
63 A at 24 V L/R = 1 ms DC-5 1
63 A at 24 V L/R = 1 ms DC-4 3
63 A at 24 V L/R = 1 ms DC-4 2
63 A at 24 V L/R = 1 ms DC-4 1
63 A at 24 V L/R = 1 ms DC-3 3
63 A at 24 V L/R = 1 ms DC-3 2
63 A at 24 V L/R = 1 ms DC-3 1
63 A at 24 V L/R = 1 ms DC-2 3
63 A at 24 V L/R = 1 ms DC-2 2
63 A at 24 V L/R = 1 ms DC-2 1
63 A at 24 V L/R = 1 ms DC-1 3
63 A at 24 V L/R = 1 ms DC-1 2
63 A at 24 V L/R = 1 ms DC-1 1
63 A at 230...690 V AC-22A
63 A at 230...690 V AC-21A
63 A at 110 V L/R = 1 ms DC-1 3
63 A at 110 V L/R = 1 ms DC-1 2
6 A at 220 V L/R = 1 ms DC-1 1
6 A at 110 V L/R = 1 ms DC-5 1
6 A at 110 V L/R = 1 ms DC-4 1
6 A at 110 V L/R = 1 ms DC-3 1
6 A at 110 V L/R = 1 ms DC-2 1
50 A at 110 V L/R = 1 ms DC-5 3
50 A at 110 V L/R = 1 ms DC-4 3
50 A at 110 V L/R = 1 ms DC-3 3
50 A at 110 V L/R = 1 ms DC-2 3
44 A at 500 V AC-23A
40 A at 60 V L/R = 1 ms DC-5 1
40 A at 60 V L/R = 1 ms DC-4 1
40 A at 60 V L/R = 1 ms DC-3 1
40 A at 60 V L/R = 1 ms DC-2 1
40 A at 60 V L/R = 1 ms DC-1 1
40 A at 415 V AC-23A
4 A at 250 V L/R = 1 ms DC-1 1
4 A at 220 V L/R = 1 ms DC-5 2
4 A at 220 V L/R = 1 ms DC-4 2
4 A at 220 V L/R = 1 ms DC-3 2
4 A at 220 V L/R = 1 ms DC-2 2
30 A at 250 V L/R = 1 ms DC-1 3
30 A at 220 V L/R = 1 ms DC-1 3
6 A at 250 V L/R = 1 ms DC-5 2
6 A at 250 V L/R = 1 ms DC-4 2
3 A at 250 V L/R = 1 ms DC-3 2

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| Rated operational power in W | 18.5 kW at 690 V AC-3 18.5 kW at 400...415 V AC-3 30 kW at 500 V AC-23A 22 kW at 690 V AC-23A 22 kW at 500 V AC-3 22 kW at 415 V AC-23A 22 kW at 400 V AC-23A 15 kW at 240 V AC-23A 15 kW at 230 V AC-23A 11 kW at 230...240 V AC-3 |
| Intermittent duty class | 30 |
| Making capacity | 630 A at 400 V (AC-23A) 630 A at 400 V (AC-22A) 630 A at 400 V (AC-21A) |
| [Icm] rated short-circuit making capacity | 2.1 kA at 400 V |
| [Icw] rated short-time withstand current | 756 A at 400 V during 1 s |
| Rated conditional short-circuit current | 10 kA at 400 V - associated fuse 63 A gG 10 kA at 400 V - associated fuse 63 A aM |
| Breaking capacity | 500 A at 400 V AC-23A 500 A at 400 V AC-22A 500 A at 400 V AC-21A |
| Mechanical durability | 30000 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 30000 cycles on AC-21 |
| Connections - terminals | Screw terminals cable 25 mm ² - cable stiffness: solid - Screw terminals cable 16 mm ² - cable stiffness: flexible - with cable end |
| Tightening torque | 4 N.m - on screw terminals |
| Height | 83 mm |
| Width | 20 mm |
| Depth | 46 mm |
| Product weight | 0.1 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 |

Contractual warranty

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| Period | 18 months |
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