



Main

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
[Ith] conventional free air thermal current	63 A
Suitability for isolation	Yes

Complementary

Network frequency	50/60 Hz
Mounting support	Enclosure door Plate
[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

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
Breaking capacity	500 A at 400 V AC-23A 500 A at 400 V AC-22A 500 A at 400 V AC-21A
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 at I _{peak}
[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
Mechanical durability	30000 cycles
Electrical durability	30000 cycles on DC-1...5 30000 cycles on AC-21
Connections - terminals	Power circuit: screw terminals cable 25 mm ² - cable stiffness: solid Power circuit: screw terminals cable 16 mm ² - cable stiffness: flexible - with cable end
Tightening torque	Power circuit: 4 N.m - on screw terminals
Provision for padlocking	Yes
Height	83 mm
Width	60 mm
Depth	65 mm
Product weight	0.5 kg

Environment

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

RoHS EUR status	Compliant
RoHS EUR conformity date(Y Y W W)	0730

Contractual warranty

Period	18 months
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