



Main

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	80 A
Suitability for isolation	Yes

Complementary

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

61.2 A at 230 V AC-23A
58.5 A at 240 V AC-23A
1.5 A at 250 V L/R = 1 ms DC-5 1
1.5 A at 250 V L/R = 1 ms DC-4 1
1.5 A at 250 V L/R = 1 ms DC-3 1
1.5 A at 250 V L/R = 1 ms DC-2 1
80 A at 60 V L/R = 1 ms DC-5 3
80 A at 60 V L/R = 1 ms DC-5 2
80 A at 60 V L/R = 1 ms DC-4 3
80 A at 60 V L/R = 1 ms DC-4 2
80 A at 60 V L/R = 1 ms DC-3 3
80 A at 60 V L/R = 1 ms DC-3 2
80 A at 60 V L/R = 1 ms DC-2 3
80 A at 60 V L/R = 1 ms DC-2 2
80 A at 60 V L/R = 1 ms DC-1 3
80 A at 60 V L/R = 1 ms DC-1 2
80 A at 48 V L/R = 1 ms DC-5 3
80 A at 48 V L/R = 1 ms DC-5 2
80 A at 48 V L/R = 1 ms DC-5 1
80 A at 48 V L/R = 1 ms DC-4 3
80 A at 48 V L/R = 1 ms DC-4 2
80 A at 48 V L/R = 1 ms DC-4 1
80 A at 48 V L/R = 1 ms DC-3 3
80 A at 48 V L/R = 1 ms DC-3 2
80 A at 48 V L/R = 1 ms DC-3 1
80 A at 48 V L/R = 1 ms DC-2 3
80 A at 48 V L/R = 1 ms DC-2 2
80 A at 48 V L/R = 1 ms DC-2 1
80 A at 48 V L/R = 1 ms DC-1 3
80 A at 48 V L/R = 1 ms DC-1 2
80 A at 48 V L/R = 1 ms DC-1 1
80 A at 24 V L/R = 1 ms DC-5 3
80 A at 24 V L/R = 1 ms DC-5 2
80 A at 24 V L/R = 1 ms DC-5 1
80 A at 24 V L/R = 1 ms DC-4 3
80 A at 24 V L/R = 1 ms DC-4 2
80 A at 24 V L/R = 1 ms DC-4 1
80 A at 24 V L/R = 1 ms DC-3 3
80 A at 24 V L/R = 1 ms DC-3 2
80 A at 24 V L/R = 1 ms DC-3 1
80 A at 24 V L/R = 1 ms DC-2 3
80 A at 24 V L/R = 1 ms DC-2 2
80 A at 24 V L/R = 1 ms DC-2 1
80 A at 24 V L/R = 1 ms DC-1 3
80 A at 24 V L/R = 1 ms DC-1 2
80 A at 24 V L/R = 1 ms DC-1 1
80 A at 230...690 V AC-22A
80 A at 230...690 V AC-21A
80 A at 110 V L/R = 1 ms DC-1 3
80 A at 110 V L/R = 1 ms DC-1 2
8 A at 220 V L/R = 1 ms DC-1 1
8 A at 110 V L/R = 1 ms DC-5 1
8 A at 110 V L/R = 1 ms DC-4 1
8 A at 110 V L/R = 1 ms DC-3 1
8 A at 110 V L/R = 1 ms DC-2 1
63 A at 110 V L/R = 1 ms DC-5 3
63 A at 110 V L/R = 1 ms DC-4 3
63 A at 110 V L/R = 1 ms DC-3 3
63 A at 110 V L/R = 1 ms DC-2 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
6 A at 250 V L/R = 1 ms DC-3 2
6 A at 250 V L/R = 1 ms DC-2 2
6 A at 220 V L/R = 1 ms DC-5 2
6 A at 220 V L/R = 1 ms DC-4 2
6 A at 220 V L/R = 1 ms DC-3 2
6 A at 220 V L/R = 1 ms DC-2 2
57 A at 400 V AC-23A
55 A at 415 V AC-23A
54 A at 500 V AC-23A
50 A at 60 V L/R = 1 ms DC-5 1
50 A at 60 V L/R = 1 ms DC-4 1
50 A at 60 V L/R = 1 ms DC-3 1
50 A at 60 V L/R = 1 ms DC-2 1
50 A at 60 V L/R = 1 ms DC-1 1
5 A at 250 V L/R = 1 ms DC-1 1
40 A at 250 V L/R = 1 ms DC-1 3
40 A at 220 V L/R = 1 ms DC-1 3
33 A at 690 V AC-23A
30 A at 220 V L/R = 1 ms DC-1 2
25 A at 250 V L/R = 1 ms DC-1 2
25 A at 110 V L/R = 1 ms DC-1 1
20 A at 110 V L/R = 1 ms DC-5 2
20 A at 110 V L/R = 1 ms DC-4 2
20 A at 110 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 240 V AC-23A 18.5 kW at 230 V AC-23A 37 kW at 500 V AC-23A 30 kW at 690 V AC-23A 30 kW at 500 V AC-3 30 kW at 415 V AC-23A 30 kW at 400 V AC-23A 22 kW at 400...415 V AC-3 15 kW at 230...240 V AC-3
Intermittent duty class	30
Breaking capacity	640 A at 400 V AC-23A 640 A at 400 V AC-22A 640 A at 400 V AC-21A
Making capacity	800 A at 400 V (AC-23A) 800 A at 400 V (AC-22A) 800 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	960 A at 400 V during 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 80 A gG 10 kA at 400 V - associated fuse 80 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0730 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Period	18 months
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