



### Main

Range of product	TeSys VARIO
Device short name	V
Product or component type	Switch body
Poles description	3P
Network type	AC DC
[I <sub>th</sub> ] conventional free air thermal current	125 A
Suitability for isolation	Yes

### Complementary

Network frequency	50/60 Hz
Mounting support	Enclosure door Plate
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV
[I <sub>the</sub> ] conventional enclosed thermal current	100 A



71.9 A at 230 V AC-23A  
68.5 A at 400 V AC-23A  
64.5 A at 500 V AC-23A  
2.2 A at 220 V L/R = 1 ms DC-5 1  
2.2 A at 220 V L/R = 1 ms DC-4 1  
2.2 A at 220 V L/R = 1 ms DC-3 1  
2.2 A at 220 V L/R = 1 ms DC-2 1  
1.6 A at 250 V L/R = 1 ms DC-5 1  
1.6 A at 250 V L/R = 1 ms DC-4 1  
1.6 A at 250 V L/R = 1 ms DC-3 1  
1.6 A at 250 V L/R = 1 ms DC-2 1  
80 A at 220 V L/R = 1 ms DC-1 3  
70 A at 110 V L/R = 1 ms DC-5 3  
70 A at 110 V L/R = 1 ms DC-4 3  
70 A at 110 V L/R = 1 ms DC-3 3  
70 A at 110 V L/R = 1 ms DC-2 3  
7 A at 250 V L/R = 1 ms DC-5 2  
7 A at 250 V L/R = 1 ms DC-4 2  
7 A at 250 V L/R = 1 ms DC-3 2  
7 A at 250 V L/R = 1 ms DC-2 2  
7 A at 220 V L/R = 1 ms DC-5 2  
7 A at 220 V L/R = 1 ms DC-4 2  
7 A at 220 V L/R = 1 ms DC-3 2  
7 A at 220 V L/R = 1 ms DC-2 2  
68 A at 240 V AC-23A  
66 A at 415 V AC-23A  
60 A at 60 V L/R = 1 ms DC-5 1  
60 A at 60 V L/R = 1 ms DC-4 1  
60 A at 60 V L/R = 1 ms DC-3 1  
60 A at 60 V L/R = 1 ms DC-2 1  
60 A at 60 V L/R = 1 ms DC-1 1  
50 A at 250 V L/R = 1 ms DC-1 3  
42 A at 690 V AC-23A  
40 A at 220 V L/R = 1 ms DC-1 2  
30 A at 250 V L/R = 1 ms DC-1 2  
30 A at 110 V L/R = 1 ms DC-1 1  
3 A at 250 V L/R = 1 ms DC-1 1  
22 A at 110 V L/R = 1 ms DC-5 2  
22 A at 110 V L/R = 1 ms DC-4 2  
22 A at 110 V L/R = 1 ms DC-3 2  
22 A at 110 V L/R = 1 ms DC-2 2  
16 A at 220 V L/R = 1 ms DC-5 3  
16 A at 220 V L/R = 1 ms DC-4 3  
16 A at 220 V L/R = 1 ms DC-3 3  
16 A at 220 V L/R = 1 ms DC-2 3  
125 A at 60 V L/R = 1 ms DC-5 3  
125 A at 60 V L/R = 1 ms DC-5 2  
125 A at 60 V L/R = 1 ms DC-4 3  
125 A at 60 V L/R = 1 ms DC-4 2  
125 A at 60 V L/R = 1 ms DC-3 3  
125 A at 60 V L/R = 1 ms DC-3 2  
125 A at 60 V L/R = 1 ms DC-2 3  
125 A at 60 V L/R = 1 ms DC-2 2  
125 A at 60 V L/R = 1 ms DC-1 3  
125 A at 60 V L/R = 1 ms DC-1 2  
125 A at 48 V L/R = 1 ms DC-5 3  
125 A at 48 V L/R = 1 ms DC-5 2  
125 A at 48 V L/R = 1 ms DC-5 1  
125 A at 48 V L/R = 1 ms DC-4 3  
125 A at 48 V L/R = 1 ms DC-4 2  
125 A at 48 V L/R = 1 ms DC-4 1  
125 A at 48 V L/R = 1 ms DC-3 3  
125 A at 48 V L/R = 1 ms DC-3 2  
125 A at 48 V L/R = 1 ms DC-3 1  
125 A at 48 V L/R = 1 ms DC-2 3  
125 A at 48 V L/R = 1 ms DC-2 2  
125 A at 48 V L/R = 1 ms DC-2 1  
125 A at 48 V L/R = 1 ms DC-1 3  
125 A at 48 V L/R = 1 ms DC-1 2  
125 A at 48 V L/R = 1 ms DC-1 1  
125 A at 24 V L/R = 1 ms DC-5 3  
125 A at 24 V L/R = 1 ms DC-5 2  
125 A at 24 V L/R = 1 ms DC-5 1  
125 A at 24 V L/R = 1 ms DC-4 3  
125 A at 24 V L/R = 1 ms DC-4 2  
125 A at 24 V L/R = 1 ms DC-4 1  
125 A at 24 V L/R = 1 ms DC-3 3  
125 A at 24 V L/R = 1 ms DC-3 2  
125 A at 24 V L/R = 1 ms DC-3 1  
125 A at 24 V L/R = 1 ms DC-2 3  
125 A at 24 V L/R = 1 ms DC-2 2  
125 A at 24 V L/R = 1 ms DC-2 1  
125 A at 24 V L/R = 1 ms DC-1 3  
125 A at 24 V L/R = 1 ms DC-1 2  
125 A at 24 V L/R = 1 ms DC-1 1

Rated operational power in W	45 kW at 500 V AC-23A 37 kW at 690 V AC-23A 37 kW at 500 V AC-3 37 kW at 415 V AC-23A 37 kW at 400 V AC-23A 30 kW at 690 V AC-3 30 kW at 400...415 V AC-3 22 kW at 240 V AC-23A 22 kW at 230...240 V AC-3 22 kW at 230 V AC-23A
Intermittent duty class	30
Breaking capacity	1000 A at 400 V AC-23A 1000 A at 400 V AC-22A 1000 A at 400 V AC-21A
Making capacity	1250 A at 400 V (AC-23A) 1250 A at 400 V (AC-22A) 1250 A at 400 V (AC-21A)
[Icm] rated short-circuit making capacity	2.8 kA at 400 V at I <sub>peak</sub>
[Icw] rated short-time withstand current	1500 A at 400 V during 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 125 A gG 10 kA at 400 V - associated fuse 125 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 95 mm <sup>2</sup> - cable stiffness: solid Power circuit: screw terminals cable 70 mm <sup>2</sup> - cable stiffness: flexible - with cable end
Tightening torque	Power circuit: 22.6 N.m - on screw terminals
Provision for padlocking	Yes
Height	125 mm
Width	90 mm
Depth	90 mm
Product weight	0.9 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	Not Green Premium product
RoHS	Compliant - since 0730 - Schneider Electric declaration of conformity <a href="#">download declaration of conformity</a>
Product environmental profile	Available <a href="#">Download Product Environmental</a>
Product end of life instruction	Need no specific recycling operations <a href="#">Download Product environmental</a>