



### Main

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
[I <sub>th</sub> ] conventional free air thermal current	40 A
Suitability for isolation	Yes

### Complementary

Network frequency	50/60 Hz
Mounting location	Left Right
[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	32 A

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28.5 A at 500 V AC-23A  
25.8 A at 230 V AC-23A  
24.8 A at 240 V AC-23A  
17.5 A at 690 V AC-23A  
8 A at 110 V L/R = 1 ms DC-5 2  
8 A at 110 V L/R = 1 ms DC-4 2  
8 A at 110 V L/R = 1 ms DC-3 2  
8 A at 110 V L/R = 1 ms DC-2 2  
7 A at 220 V L/R = 1 ms DC-5 3  
7 A at 220 V L/R = 1 ms DC-4 3  
7 A at 220 V L/R = 1 ms DC-3 3  
7 A at 220 V L/R = 1 ms DC-2 3  
6 A at 250 V L/R = 1 ms DC-5 3  
6 A at 250 V L/R = 1 ms DC-4 3  
6 A at 250 V L/R = 1 ms DC-3 3  
6 A at 250 V L/R = 1 ms DC-2 3  
5 A at 110 V L/R = 1 ms DC-5 1  
5 A at 110 V L/R = 1 ms DC-4 1  
5 A at 110 V L/R = 1 ms DC-3 1  
5 A at 110 V L/R = 1 ms DC-2 1  
40 A at 60 V L/R = 1 ms DC-5 3  
40 A at 60 V L/R = 1 ms DC-5 2  
40 A at 60 V L/R = 1 ms DC-4 3  
40 A at 60 V L/R = 1 ms DC-4 2  
40 A at 60 V L/R = 1 ms DC-3 3  
40 A at 60 V L/R = 1 ms DC-3 2  
40 A at 60 V L/R = 1 ms DC-2 3  
40 A at 60 V L/R = 1 ms DC-2 2  
40 A at 60 V L/R = 1 ms DC-1 3  
40 A at 60 V L/R = 1 ms DC-1 2  
40 A at 48 V L/R = 1 ms DC-5 3  
40 A at 48 V L/R = 1 ms DC-5 2  
40 A at 48 V L/R = 1 ms DC-5 1  
40 A at 48 V L/R = 1 ms DC-4 3  
40 A at 48 V L/R = 1 ms DC-4 2  
40 A at 48 V L/R = 1 ms DC-4 1  
40 A at 48 V L/R = 1 ms DC-3 3  
40 A at 48 V L/R = 1 ms DC-3 2  
40 A at 48 V L/R = 1 ms DC-3 1  
40 A at 48 V L/R = 1 ms DC-2 3  
40 A at 48 V L/R = 1 ms DC-2 2  
40 A at 48 V L/R = 1 ms DC-2 1  
40 A at 48 V L/R = 1 ms DC-1 3  
40 A at 48 V L/R = 1 ms DC-1 2  
40 A at 48 V L/R = 1 ms DC-1 1  
40 A at 24 V L/R = 1 ms DC-5 3  
40 A at 24 V L/R = 1 ms DC-5 2  
40 A at 24 V L/R = 1 ms DC-5 1  
40 A at 24 V L/R = 1 ms DC-4 3  
40 A at 24 V L/R = 1 ms DC-4 2  
40 A at 24 V L/R = 1 ms DC-4 1  
40 A at 24 V L/R = 1 ms DC-3 3  
40 A at 24 V L/R = 1 ms DC-3 2  
40 A at 24 V L/R = 1 ms DC-3 1  
40 A at 24 V L/R = 1 ms DC-2 3  
40 A at 24 V L/R = 1 ms DC-2 2  
40 A at 24 V L/R = 1 ms DC-2 1  
40 A at 24 V L/R = 1 ms DC-1 3  
40 A at 24 V L/R = 1 ms DC-1 2  
40 A at 24 V L/R = 1 ms DC-1 1  
40 A at 230...690 V AC-22A  
40 A at 230...690 V AC-21A  
40 A at 110 V L/R = 1 ms DC-5 3  
40 A at 110 V L/R = 1 ms DC-4 3  
40 A at 110 V L/R = 1 ms DC-3 3  
40 A at 110 V L/R = 1 ms DC-2 3  
40 A at 110 V L/R = 1 ms DC-1 3  
4 A at 220 V L/R = 1 ms DC-1 1  
3 A at 220 V L/R = 1 ms DC-5 2  
3 A at 220 V L/R = 1 ms DC-4 2  
3 A at 220 V L/R = 1 ms DC-3 2  
3 A at 220 V L/R = 1 ms DC-2 2  
29 A at 400 V AC-23A  
28 A at 415 V AC-23A  
25 A at 60 V L/R = 1 ms DC-5 1  
25 A at 60 V L/R = 1 ms DC-4 1  
25 A at 60 V L/R = 1 ms DC-3 1  
25 A at 60 V L/R = 1 ms DC-2 1  
25 A at 220 V L/R = 1 ms DC-1 3  
20 A at 250 V L/R = 1 ms DC-1 3  
20 A at 110 V L/R = 1 ms DC-1 2  
20 A at 250 V L/R = 1 ms DC-5 2  
20 A at 250 V L/R = 1 ms DC-4 2  
20 A at 250 V L/R = 1 ms DC-3 2

Rated operational power in W	7.5 kW at 240 V AC-23A 7.5 kW at 230 V AC-23A 5.5 kW at 230...240 V AC-3 18.5 kW at 500 V AC-23A 15 kW at 690 V AC-23A 15 kW at 500 V AC-3 15 kW at 415 V AC-23A 15 kW at 400 V AC-23A 11 kW at 690 V AC-3 11 kW at 400...415 V AC-3
Intermittent duty class	30
Making capacity	400 A at 400 V (AC-23A) 400 A at 400 V (AC-22A) 400 A at 400 V (AC-21A)
[Icm] rated short-circuit making capacity	1 kA at 400 V
[Icw] rated short-time withstand current	480 A at 400 V during 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 50 A gG 10 kA at 400 V - associated fuse 50 A aM
Breaking capacity	320 A at 400 V AC-23A 320 A at 400 V AC-22A 320 A at 400 V AC-21A
Mechanical durability	100000 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 100000 cycles on AC-21
Connections - terminals	Screw terminals cable 6 mm <sup>2</sup> - cable stiffness: flexible - with cable end Screw terminals cable 10 mm <sup>2</sup> - cable stiffness: solid -
Tightening torque	2.1 N.m - on screw terminals
Height	74 mm
Width	16 mm
Depth	35 mm
Product weight	0.05 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

## Contractual warranty

Period	18 months
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