

# VVE1

switch-disconnector VVE - TeSys - 3 poles -  
690 V 32 A - padlockable red handle



## Main

Commercial Status	Commercialised
Range of product	TeSys VARIO
Device short name	Main switch disconnector
Product or component type	Rotary switch disconnector
Performance level	High performance
Switch function	Emergency stop
Poles description	3P
Network type	AC DC
Rotary handle mounting style	Direct
Handle colour	Red
Handle front plate colour	Yellow
[Ith] conventional free air thermal current	32 A
Suitability for isolation	Yes

## Complementary

Kit composition	Red handle V1 switch body
Control type	With emergency stop
Rotary handle padlocking	1 padlock
Mounting support	Symmetrical rail for body Door for rotary handle
[Ue] rated operational voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ithe] conventional enclosed thermal current	25 A

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[I<sub>e</sub>] rated operational current

0.8 A at 250 V L/R = 1 ms DC-5 1  
0.8 A at 250 V L/R = 1 ms DC-4 1  
0.8 A at 250 V L/R = 1 ms DC-3 1  
0.8 A at 250 V L/R = 1 ms DC-2 1  
0.8 A at 220 V L/R = 1 ms DC-5 1  
0.8 A at 220 V L/R = 1 ms DC-4 1  
0.8 A at 220 V L/R = 1 ms DC-3 1  
0.8 A at 220 V L/R = 1 ms DC-2 1  
21.8 A at 400 V AC-23A  
19.7 A at 230 V AC-23A  
18.9 A at 240 V AC-23A  
17.5 A at 690 V AC-23A  
16.7 A at 500 V AC-23A  
8 A at 250 V L/R = 1 ms DC-1 2  
6 A at 110 V L/R = 1 ms DC-5 2  
6 A at 110 V L/R = 1 ms DC-4 2  
6 A at 110 V L/R = 1 ms DC-3 2  
6 A at 110 V L/R = 1 ms DC-2 2  
4 A at 220 V L/R = 1 ms DC-5 3  
4 A at 220 V L/R = 1 ms DC-4 3  
4 A at 220 V L/R = 1 ms DC-3 3  
4 A at 220 V L/R = 1 ms DC-2 3  
32 A at 60 V L/R = 1 ms DC-5 3  
32 A at 60 V L/R = 1 ms DC-5 2  
32 A at 60 V L/R = 1 ms DC-4 3  
32 A at 60 V L/R = 1 ms DC-4 2  
32 A at 60 V L/R = 1 ms DC-3 3  
32 A at 60 V L/R = 1 ms DC-3 2  
32 A at 60 V L/R = 1 ms DC-2 3  
32 A at 60 V L/R = 1 ms DC-2 2  
32 A at 60 V L/R = 1 ms DC-1 3  
32 A at 60 V L/R = 1 ms DC-1 2  
32 A at 60 V L/R = 1 ms DC-1 1  
32 A at 48 V L/R = 1 ms DC-5 3  
32 A at 48 V L/R = 1 ms DC-5 2  
32 A at 48 V L/R = 1 ms DC-5 1  
32 A at 48 V L/R = 1 ms DC-4 3  
32 A at 48 V L/R = 1 ms DC-4 2  
32 A at 48 V L/R = 1 ms DC-4 1  
32 A at 48 V L/R = 1 ms DC-3 3  
32 A at 48 V L/R = 1 ms DC-3 2  
32 A at 48 V L/R = 1 ms DC-3 1  
32 A at 48 V L/R = 1 ms DC-2 3  
32 A at 48 V L/R = 1 ms DC-2 2  
32 A at 48 V L/R = 1 ms DC-2 1  
32 A at 48 V L/R = 1 ms DC-1 3  
32 A at 48 V L/R = 1 ms DC-1 2  
32 A at 48 V L/R = 1 ms DC-1 1  
32 A at 24 V L/R = 1 ms DC-5 3  
32 A at 24 V L/R = 1 ms DC-5 2  
32 A at 24 V L/R = 1 ms DC-5 1  
32 A at 24 V L/R = 1 ms DC-4 3  
32 A at 24 V L/R = 1 ms DC-4 2  
32 A at 24 V L/R = 1 ms DC-4 1  
32 A at 24 V L/R = 1 ms DC-3 3  
32 A at 24 V L/R = 1 ms DC-3 2  
32 A at 24 V L/R = 1 ms DC-3 1  
32 A at 24 V L/R = 1 ms DC-2 3  
32 A at 24 V L/R = 1 ms DC-2 2  
32 A at 24 V L/R = 1 ms DC-2 1  
32 A at 24 V L/R = 1 ms DC-1 3  
32 A at 24 V L/R = 1 ms DC-1 2  
32 A at 24 V L/R = 1 ms DC-1 1  
32 A at 230...690 V AC-22A  
32 A at 230...690 V AC-21A  
32 A at 110 V L/R = 1 ms DC-5 3  
32 A at 110 V L/R = 1 ms DC-4 3  
32 A at 110 V L/R = 1 ms DC-3 3  
32 A at 110 V L/R = 1 ms DC-2 3  
32 A at 110 V L/R = 1 ms DC-1 3  
3 A at 220 V L/R = 1 ms DC-1 1  
3 A at 110 V L/R = 1 ms DC-5 1  
3 A at 110 V L/R = 1 ms DC-4 1  
3 A at 110 V L/R = 1 ms DC-3 1  
3 A at 110 V L/R = 1 ms DC-2 1  
21 A at 415 V AC-23A  
20 A at 60 V L/R = 1 ms DC-5 1  
20 A at 60 V L/R = 1 ms DC-4 1  
20 A at 60 V L/R = 1 ms DC-3 1  
20 A at 60 V L/R = 1 ms DC-2 1  
20 A at 220 V L/R = 1 ms DC-1 3  
2 A at 250 V L/R = 1 ms DC-5 3  
2 A at 250 V L/R = 1 ms DC-4 3  
2 A at 250 V L/R = 1 ms DC-3 3  
2 A at 250 V L/R = 1 ms DC-2 3

Rated operational power in W	7.5 kW at 400...415 V AC-3 11 kW at 415 V AC-23A 11 kW at 400 V AC-23A 7.5 kW at 500 V AC-3 5.5 kW at 240 V AC-23A 5.5 kW at 230 V AC-23A 4 kW at 230...240 V AC-3 15 kW at 690 V AC-23A 11 kW at 690 V AC-3 11 kW at 500 V AC-23A
Intermittent duty class	30
Making capacity	320 A at 400 V (AC-23A) 320 A at 400 V (AC-22A) 320 A at 400 V (AC-21A)
[Icm] rated short-circuit making capacity	1 kA at 400 V at Ipeak
[Icw] rated short-time withstand current	384 kA at 400 V during 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 35 A gG 10 kA at 400 V - associated fuse 35 A aM
Breaking capacity	250 kA at 400 V AC-23A 250 kA at 400 V AC-22A 250 kA at 400 V AC-21A
Mechanical durability	100000 cycles
Electrical durability	30000 cycles on DC-1...5 100000 cycles on AC-21
Connections - terminals	Power circuit : screw terminals cable 6 mm <sup>2</sup> - cable stiffness: flexible - with cable end Power circuit : screw terminals cable 10 mm <sup>2</sup> - cable stiffness: solid -
Tightening torque	Power circuit : 2.1 N.m - on screw terminals
Colour	Red front face
Provision for padlocking	Yes
Marking	0 - 1
Handle front plate dimension	45 x 45 mm
Height	74 mm
Width	45 mm
Depth	106 mm
Product weight	0.25 kg

## Environment

Standards	IEC 60947-3
Product certifications	CSA GL UL
Protective treatment	TC
IP degree of protection	IP65 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