

# VCCF5

switch-disconnector VCCF - 3 poles - 690 V  
125 A - padlockable long red handle



## Main

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
Handle colour	Red
Handle front plate colour	Yellow
[I <sub>th</sub> ] conventional free air thermal current	125 A
Suitability for isolation	Yes

## Complementary

Kit composition	V5 switch body VZN17 shaft extension Red handle
Control type	With emergency stop
Rotary handle mounting style	Extended
Rotary handle padlocking	Upto 3 padlocks
[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

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

1,6 A 250 V L/R = 1 ms DC-4 1  
1,6 A 250 V L/R = 1 ms DC-5 1  
1,6 A 250 V L/R = 1 ms DC-2 1  
1,6 A 250 V L/R = 1 ms DC-3 1  
2,2 A 220 V L/R = 1 ms DC-4 1  
2,2 A 220 V L/R = 1 ms DC-5 1  
2,2 A 220 V L/R = 1 ms DC-2 1  
2,2 A 220 V L/R = 1 ms DC-3 1  
3 A 250 V L/R = 1 ms DC-1 1  
7 A 220 V L/R = 1 ms DC-4 2  
7 A 250 V L/R = 1 ms DC-4 2  
7 A 220 V L/R = 1 ms DC-5 2  
7 A 250 V L/R = 1 ms DC-5 2  
7 A 220 V L/R = 1 ms DC-2 2  
7 A 250 V L/R = 1 ms DC-2 2  
7 A 220 V L/R = 1 ms DC-3 2  
7 A 250 V L/R = 1 ms DC-3 2  
10 A 110 V L/R = 1 ms DC-4 1  
10 A 110 V L/R = 1 ms DC-5 1  
10 A 110 V L/R = 1 ms DC-2 1  
10 A 110 V L/R = 1 ms DC-3 1  
12 A 250 V L/R = 1 ms DC-4 3  
12 A 250 V L/R = 1 ms DC-5 3  
12 A 220 V L/R = 1 ms DC-1 1  
12 A 250 V L/R = 1 ms DC-2 3  
12 A 250 V L/R = 1 ms DC-3 3  
16 A 220 V L/R = 1 ms DC-4 3  
16 A 220 V L/R = 1 ms DC-5 3  
16 A 220 V L/R = 1 ms DC-2 3  
16 A 220 V L/R = 1 ms DC-3 3  
22 A 110 V L/R = 1 ms DC-4 2  
22 A 110 V L/R = 1 ms DC-5 2  
22 A 110 V L/R = 1 ms DC-2 2  
22 A 110 V L/R = 1 ms DC-3 2  
30 A 110 V L/R = 1 ms DC-1 1  
30 A 250 V L/R = 1 ms DC-1 2  
40 A 220 V L/R = 1 ms DC-1 2  
42 A 690 V AC-23A  
50 A 250 V L/R = 1 ms DC-1 3  
60 A 60 V L/R = 1 ms DC-5 1  
60 A 60 V L/R = 1 ms DC-1 1  
60 A 60 V L/R = 1 ms DC-2 1  
60 A 60 V L/R = 1 ms DC-3 1  
60 A 60 V L/R = 1 ms DC-4 1  
64,5 A 500 V AC-23A  
66 A 415 V AC-23A  
68 A 240 V AC-23A  
68,5 A 400 V AC-23A  
70 A 110 V L/R = 1 ms DC-4 3  
70 A 110 V L/R = 1 ms DC-5 3  
70 A 110 V L/R = 1 ms DC-2 3  
70 A 110 V L/R = 1 ms DC-3 3  
71,9 A 230 V AC-23A  
80 A 220 V L/R = 1 ms DC-1 3  
125 A 230...690 V AC-21A  
125 A 60 V L/R = 1 ms DC-4 2  
125 A 60 V L/R = 1 ms DC-4 3  
125 A 24 V L/R = 1 ms DC-5 1  
125 A 24 V L/R = 1 ms DC-5 2  
125 A 24 V L/R = 1 ms DC-5 3  
125 A 48 V L/R = 1 ms DC-5 1  
125 A 48 V L/R = 1 ms DC-5 2  
125 A 48 V L/R = 1 ms DC-5 3  
125 A 60 V L/R = 1 ms DC-5 2  
125 A 60 V L/R = 1 ms DC-5 3  
125 A 230...690 V AC-22A  
125 A 24 V L/R = 1 ms DC-1 1  
125 A 24 V L/R = 1 ms DC-1 2  
125 A 24 V L/R = 1 ms DC-1 3  
125 A 48 V L/R = 1 ms DC-1 1  
125 A 48 V L/R = 1 ms DC-1 2  
125 A 48 V L/R = 1 ms DC-1 3  
125 A 60 V L/R = 1 ms DC-1 2  
125 A 60 V L/R = 1 ms DC-1 3  
125 A 110 V L/R = 1 ms DC-1 2  
125 A 110 V L/R = 1 ms DC-1 3  
125 A 24 V L/R = 1 ms DC-2 1  
125 A 24 V L/R = 1 ms DC-2 2  
125 A 24 V L/R = 1 ms DC-2 3  
125 A 48 V L/R = 1 ms DC-2 1  
125 A 48 V L/R = 1 ms DC-2 2  
125 A 48 V L/R = 1 ms DC-2 3  
125 A 60 V L/R = 1 ms DC-2 2  
125 A 60 V L/R = 1 ms DC-2 3  
125 A 24 V L/R = 1 ms DC-3 1

Rated operational power in W	22 W 230...240 V AC-3 22 W 230 V AC-23A 22 W 240 V AC-23A 30 W 400...415 V AC-3 30 W 690 V AC-3 37 W 500 V AC-3 37 W 400 V AC-23A 37 W 415 V AC-23A 37 W 690 V AC-23A 45 W 500 V AC-23A
Intermittent duty class	30
Making capacity	1250 A 400 V AC-21A 1250 A 400 V AC-22A 1250 A 400 V AC-23A
[Icm] rated short-circuit making capacity	2,8 kA 400 V at Ipeak
[Icw] rated short-time withstand current	1500 kA 400 V 1 s
Rated conditional short-circuit current	10 kA 400 V 125 A aM 10 kA 400 V 125 A gG
Breaking capacity	1000 kA 400 V AC-21A 1000 kA 400 V AC-22A 1000 kA 400 V AC-23A
Mechanical durability	30000 cycles
Electrical durability	30000 cycles AC-21 30000 cycles DC-1...5
Connections - terminals	Screw terminals power circuit 70 mm <sup>2</sup> flexible with Screw terminals power circuit 95 mm <sup>2</sup> solid
Tightening torque	22,6 N.m power circuit screw terminals
Provision for padlocking	Padlockable
Marking	0 - 1
Base dimension	90 x 90 mm
Product weight	1,32 kg

## Environment

Standards	IEC 60947-3
Product certifications	CCC CSA GL UL
Protective treatment	TC
IP degree of protection	IP20 with protection shrouds IEC 60529 IP65
Shock resistance	30 gn IEC 60068-2-27
Vibration resistance	1 gn IEC 60068-2-6
Ambient air temperature for operation	-20...50 °C
Fire resistance	960 °C IEC 60695-2-1
RoHS EUR conformity date	0738
RoHS EUR status	Compliant