

VCCF6

switch-disconnector VCCF - 3 poles - 690 V
175 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
Rotary handle mounting style	Extended
Handle colour	Red
Handle front plate colour	Yellow
[Ith] conventional free air thermal current	175 A
Suitability for isolation	Yes

Complementary

Kit composition	Red handle V6 switch body VZN17 shaft extension
Control type	With emergency stop
Rotary handle padlocking	Upto 3 padlocks
Mounting support	Door for rotary handle Symmetrical rail for body
[Ue] rated operational voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ithe] conventional enclosed thermal current	140 A

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10 A at 250 V L/R = 1 ms DC-1 1
 100 A at 220 V L/R = 1 ms DC-1 3
 12 A at 110 V L/R = 1 ms DC-1 1
 12 A at 110 V L/R = 1 ms DC-2 1
 12 A at 110 V L/R = 1 ms DC-3 1
 12 A at 110 V L/R = 1 ms DC-4 1
 12 A at 110 V L/R = 1 ms DC-5 1
 13 A at 220 V L/R = 1 ms DC-2 3
 13 A at 220 V L/R = 1 ms DC-3 3
 13 A at 220 V L/R = 1 ms DC-4 3
 13 A at 220 V L/R = 1 ms DC-5 3
 14 A at 250 V L/R = 1 ms DC-2 3
 14 A at 250 V L/R = 1 ms DC-3 3
 14 A at 250 V L/R = 1 ms DC-4 3
 14 A at 250 V L/R = 1 ms DC-5 3
 15 A at 220 V L/R = 1 ms DC-1 1
 160 A at 230...690 V AC-21A
 160 A at 230...690 V AC-22A
 175 A at 110 V L/R = 1 ms DC-1 2
 175 A at 110 V L/R = 1 ms DC-1 3
 175 A at 24 V L/R = 1 ms DC-1 1
 175 A at 24 V L/R = 1 ms DC-1 2
 175 A at 24 V L/R = 1 ms DC-1 3
 175 A at 24 V L/R = 1 ms DC-2 1
 175 A at 24 V L/R = 1 ms DC-2 2
 175 A at 24 V L/R = 1 ms DC-2 3
 175 A at 24 V L/R = 1 ms DC-3 1
 175 A at 24 V L/R = 1 ms DC-3 2
 175 A at 24 V L/R = 1 ms DC-3 3
 175 A at 24 V L/R = 1 ms DC-4 1
 175 A at 24 V L/R = 1 ms DC-4 2
 175 A at 24 V L/R = 1 ms DC-4 3
 175 A at 24 V L/R = 1 ms DC-5 1
 175 A at 24 V L/R = 1 ms DC-5 2
 175 A at 24 V L/R = 1 ms DC-5 3
 175 A at 48 V L/R = 1 ms DC-1 1
 175 A at 48 V L/R = 1 ms DC-1 2
 175 A at 48 V L/R = 1 ms DC-1 3
 175 A at 48 V L/R = 1 ms DC-2 1
 175 A at 48 V L/R = 1 ms DC-2 2
 175 A at 48 V L/R = 1 ms DC-2 3
 175 A at 48 V L/R = 1 ms DC-3 1
 175 A at 48 V L/R = 1 ms DC-3 2
 175 A at 48 V L/R = 1 ms DC-3 3
 175 A at 48 V L/R = 1 ms DC-4 1
 175 A at 48 V L/R = 1 ms DC-4 2
 175 A at 48 V L/R = 1 ms DC-4 3
 175 A at 48 V L/R = 1 ms DC-5 1
 175 A at 48 V L/R = 1 ms DC-5 2
 175 A at 48 V L/R = 1 ms DC-5 3
 175 A at 60 V L/R = 1 ms DC-1 2
 175 A at 60 V L/R = 1 ms DC-1 3
 175 A at 60 V L/R = 1 ms DC-2 2
 175 A at 60 V L/R = 1 ms DC-2 3
 175 A at 60 V L/R = 1 ms DC-3 2
 175 A at 60 V L/R = 1 ms DC-3 3
 175 A at 60 V L/R = 1 ms DC-4 2
 175 A at 60 V L/R = 1 ms DC-4 3
 175 A at 60 V L/R = 1 ms DC-5 2
 175 A at 60 V L/R = 1 ms DC-5 3
 24 A at 110 V L/R = 1 ms DC-2 2
 24 A at 110 V L/R = 1 ms DC-3 2
 24 A at 110 V L/R = 1 ms DC-4 2
 24 A at 110 V L/R = 1 ms DC-5 2
 40 A at 250 V L/R = 1 ms DC-1 2
 49 A at 690 V AC-23A
 50 A at 220 V L/R = 1 ms DC-1 2
 61 A at 250 V L/R = 1 ms DC-1 3
 70 A at 60 V L/R = 1 ms DC-1 1
 70 A at 60 V L/R = 1 ms DC-2 1
 70 A at 60 V L/R = 1 ms DC-3 1
 70 A at 60 V L/R = 1 ms DC-4 1
 70 A at 60 V L/R = 1 ms DC-5 1
 79 A at 500 V AC-23A
 8 A at 220 V L/R = 1 ms DC-2 2
 8 A at 220 V L/R = 1 ms DC-3 2
 8 A at 220 V L/R = 1 ms DC-4 2
 8 A at 220 V L/R = 1 ms DC-5 2
 8 A at 250 V L/R = 1 ms DC-2 2
 8 A at 250 V L/R = 1 ms DC-3 2
 8 A at 250 V L/R = 1 ms DC-4 2
 8 A at 250 V L/R = 1 ms DC-5 2
 80 A at 110 V L/R = 1 ms DC-2 3
 80 A at 110 V L/R = 1 ms DC-3 3
 80 A at 110 V L/R = 1 ms DC-4 3

Rated operational power in W	30 W at 230 V AC-23A 30 W at 230...240 V AC-3 30 W at 240 V AC-23A 37 W at 400...415 V AC-3 37 W at 690 V AC-3 45 W at 400 V AC-23A 45 W at 415 V AC-23A 45 W at 500 V AC-3 45 W at 690 V AC-23A 55 W at 500 V AC-23A
Intermittent duty class	30
Making capacity	1750 A at 400 V (AC-21A 1750 A at 400 V (AC-22A 1750 A at 400 V (AC-23A
[Icm] rated short-circuit making capacity	2.8 kA at 400 V at I _{peak}
[Icw] rated short-time withstand current	2100 kA at 400 V during 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 200 A aM 10 kA at 400 V - associated fuse 200 A gG
Breaking capacity	1400 kA at 400 V AC-21A 1400 kA at 400 V AC-22A 1400 kA at 400 V AC-23A
Mechanical durability	30000 cycles
Electrical durability	30000 cycles on AC-21 30000 cycles on DC-1...5
Connections - terminals	Screw terminals power circuit: cable 70 mm ² - cable stiffness: flexible - with cable end Screw terminals power circuit: cable 95 mm ² - cable stiffness: solid -
Tightening torque	22.6 N.m power circuit: - on screw terminals
Provision for padlocking	Padlockable
Marking	0 - 1
Handle front plate 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 conforming to IEC 60529 IP65
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