Product data sheet
Characteristics

VCF01
switch-disconnector VCF - TeSys - 3 poles - 690 V 20 A - padlockable 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	Direct
Handle colour	Red
Handle front plate colour	Yellow
[Ith] conventional free air thermal current	20 A
Suitability for isolation	Yes

Complementary

Kit composition	Red handle V01 switch body
Control type	With emergency stop
Rotary handle padlocking	Upto 3 padlocks
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	16 A

[Ie] rated operational current	0.7 A at 250 V L/R = 1 ms DC-1 1 0.6 A at 250 V L/R = 1 ms DC-5 2 0.6 A at 250 V L/R = 1 ms DC-4 2 0.6 A at 250 V L/R = 1 ms DC-3 2 0.6 A at 250 V L/R = 1 ms DC-2 2 0.5 A at 220 V L/R = 1 ms DC-5 1 0.5 A at 220 V L/R = 1 ms DC-4 1 0.5 A at 220 V L/R = 1 ms DC-3 1 0.5 A at 220 V L/R = 1 ms DC-2 1 0.4 A at 250 V L/R = 1 ms DC-5 1 0.4 A at 250 V L/R = 1 ms DC-4 1 0.4 A at 250 V L/R = 1 ms DC-3 1 0.4 A at 250 V L/R = 1 ms DC-2 1 2.4 A at 250 V L/R = 1 ms DC-5 3 2.4 A at 250 V L/R = 1 ms DC-4 3 2.4 A at 250 V L/R = 1 ms DC-3 3 2.4 A at 250 V L/R = 1 ms DC-2 3 12.3 A at 690 V AC-23A 11.9 A at 500 V AC-23A 1.5 A at 220 V L/R = 1 ms DC-5 2 1.5 A at 220 V L/R = 1 ms DC-4 2 1.5 A at 220 V L/R = 1 ms DC-3 2 1.5 A at 220 V L/R = 1 ms DC-2 2 8 A at 220 V L/R = 1 ms DC-1 2 4 A at 250 V L/R = 1 ms DC-1 2 4 A at 110 V L/R = 1 ms DC-5 2 4 A at 110 V L/R = 1 ms DC-4 2 4 A at 110 V L/R = 1 ms DC-3 2 4 A at 110 V L/R = 1 ms DC-2 2 20 A at 60 V L/R = 1 ms DC-5 3 20 A at 60 V L/R = 1 ms DC-5 2 20 A at 60 V L/R = 1 ms DC-4 3 20 A at 60 V L/R = 1 ms DC-4 2 20 A at 60 V L/R = 1 ms DC-3 3 20 A at 60 V L/R = 1 ms DC-3 2 20 A at 60 V L/R = 1 ms DC-2 3 20 A at 60 V L/R = 1 ms DC-2 2 20 A at 60 V L/R = 1 ms DC-1 3 20 A at 60 V L/R = 1 ms DC-1 2 20 A at 60 V L/R = 1 ms DC-1 1 20 A at 48 V L/R = 1 ms DC-5 3 20 A at 48 V L/R = 1 ms DC-5 2 20 A at 48 V L/R = 1 ms DC-5 1 20 A at 48 V L/R = 1 ms DC-4 3 20 A at 48 V L/R = 1 ms DC-4 2 20 A at 48 V L/R = 1 ms DC-4 1 20 A at 48 V L/R = 1 ms DC-3 3 20 A at 48 V L/R = 1 ms DC-3 2 20 A at 48 V L/R = 1 ms DC-3 1 20 A at 48 V L/R = 1 ms DC-2 3 20 A at 48 V L/R = 1 ms DC-2 2 20 A at 48 V L/R = 1 ms DC-2 1 20 A at 48 V L/R = 1 ms DC-1 3 20 A at 48 V L/R = 1 ms DC-1 2 20 A at 48 V L/R = 1 ms DC-1 1 20 A at 24 V L/R = 1 ms DC-5 3 20 A at 24 V L/R = 1 ms DC-5 2 20 A at 24 V L/R = 1 ms DC-5 1 20 A at 24 V L/R = 1 ms DC-4 3 20 A at 24 V L/R = 1 ms DC-4 2 20 A at 24 V L/R = 1 ms DC-4 1 20 A at 24 V L/R = 1 ms DC-3 3 20 A at 24 V L/R = 1 ms DC-3 2 20 A at 24 V L/R = 1 ms DC-3 1 20 A at 24 V L/R = 1 ms DC-2 3 20 A at 24 V L/R = 1 ms DC-2 2 20 A at 24 V L/R = 1 ms DC-2 1 20 A at 24 V L/R = 1 ms DC-1 3 20 A at 24 V L/R = 1 ms DC-1 2 20 A at 24 V L/R = 1 ms DC-1 1 20 A at 230...690 V AC-22A 20 A at 230...690 V AC-21A 20 A at 110 V L/R = 1 ms DC-5 3 20 A at 110 V L/R = 1 ms DC-4 3 20 A at 110 V L/R = 1 ms DC-3 3 20 A at 110 V L/R = 1 ms DC-2 3 20 A at 110 V L/R = 1 ms DC-1 3 2 A at 220 V L/R = 1 ms DC-5 3 2 A at 220 V L/R = 1 ms DC-4 3 2 A at 220 V L/R = 1 ms DC-3 3 2 A at 220 V L/R = 1 ms DC-2 3 2 A at 220 V L/R = 1 ms DC-1 1 2 A at 110 V L/R = 1 ms DC-5 1 2 A at 110 V L/R = 1 ms DC-4 1 2 A at 110 V L/R = 1 ms DC-3 1

Rated operational power in W	7.5 W at 690 V AC-3 7.5 W at 500 V AC-23A 5.5 W at 500 V AC-3 5.5 W at 415 V AC-23A 5.5 W at 400 V AC-23A 4 W at 400...415 V AC-3 4 W at 240 V AC-23A 4 W at 230 V AC-23A 3 W at 230...240 V AC-3 11 W at 690 V AC-23A
Intermittent duty class	30
Making capacity	200 A at 400 V (AC-23A 200 A at 400 V (AC-22A 200 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	140 kA at 400 V during 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 20 A gG 10 kA at 400 V - associated fuse 20 A aM
Breaking capacity	200 kA at 400 V AC-23A 200 kA at 400 V AC-22A 200 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 mm² - cable stiffness: flexible - with cable end Power circuit: screw terminals cable 10 mm² - cable stiffness: solid -
Tightening torque	Power circuit: 2.1 N.m - on screw terminals
Provision for padlocking	Padlockable
Marking	0 - 1
Handle front plate dimension	60 x 60 mm
Height	60 mm
Width	60 mm
Product weight	0.25 kg

Environment

Standards	IEC 60947-3
Product certifications	CCC 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

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0733 - Schneider Electric declaration of conformity download declaration of conformity
Product environmental profile	Available Download Product Environmental
Product end of life instruction	Need no specific recycling operations Download Product environmental