

# VCFN12GE

enclosed case switch-disconnector Vario VCFN  
- 3 poles - 10 A



## Main

Commercial Status	Commercialised
Range of product	TeSys VARIO
Device short name	Enclosed switch disconnector
Product or component type	Enclosed switch disconnector
Performance level	Standard
Switch function	Emergency stop
Poles description	3P
Network type	AC
[I <sub>th</sub> ] conventional enclosed thermal current	10 A
Suitability for isolation	Yes

## Complementary

Handle colour	Red
Handle front plate colour	Yellow
Rotary handle padlocking	Without
Network frequency	50/60 Hz
Control type	Rotary handle
[U <sub>e</sub> ] rated operational voltage	690 V AC
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV
[I <sub>e</sub> ] rated operational current	8.1 A at 400 V AC-23A
Rated operational power in W	4 kW at 400 V AC-23
Intermittent duty class	30
Making capacity	120 A at 400 V (AC-23A) 120 A at 400 V (AC-22A) 120 A at 400 V (AC-21A)
[I <sub>cm</sub> ] rated short-circuit making capacity	0.5 kA at 400 V at I <sub>peak</sub>
[I <sub>cw</sub> ] rated short-time withstand current	140 A at 400 V during 1 s
Rated conditional short-circuit current	6 kA at 400 V - associated fuse 12 A gG 6 kA at 400 V - associated fuse 12 A aM
Breaking capacity	120 A at 400 V AC-23A 120 A at 400 V AC-22A 120 A AC-21A
Mechanical durability	50000 cycles
Electrical durability	50000 cycles on AC-21 30000 cycles on DC-1...5
Connections - terminals	Control circuit: connector cable 4 mm <sup>2</sup> - cable stiffness: solid - Control circuit: connector cable 4 mm <sup>2</sup> - cable stiffness: flexible - with cable end
Tightening torque	Control circuit: 0.7 N.m - on connector
Provision for padlocking	Padlockable either by 1 (Ø 8 mm shank) or by 3 padlocks (Ø 6 mm shank)
Handle front plate dimension	60 x 60 mm
Height	131 mm
Width	82.5 mm
Depth	106 mm
Product weight	0.422 kg

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## Environment

Standards	IEC 60947-4-1
Product certifications	CSA GL UL
Protective treatment	TC
IP degree of protection	IP55 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 60595-2-1

## RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YWW)	0738

## Contractual warranty

Period	18 months
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