



Main

Range	TeSys
Product name	TeSys VARIO
Device short name	VBF
Device application	Preventive maintenance
Product or component type	Switch disconnecter
Performance level	High performance
Poles description	3P
Contacts type and composition	3 NO
Network type	AC DC
Control type	Rotary handle
Rotary handle mounting style	Direct
Handle colour	Black
Handle front plate colour	Black
Suitability for isolation	Yes

Complementary

Rotary handle padlocking	1 to 3 padlocks 4...8 mm
Marking	0 - 1
Mounting support	Handle: door Switch: door
Fixing mode	By 4 screws for handle
[Ue] rated operational voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	80 A

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[I _{th}] conventional enclosed thermal current	63 A
[I _e] rated operational current	57 A AC-23 Ue: 400 V
Rated operational power in W	18.5 kW at 690 V (AC-3) 15 kW at 230...240 V (AC-3) 22 kW at 400...415 V (AC-3) 30 kW at 500 V (AC-3) 30 kW at 690 V (AC-23A) 37 kW at 500 V (AC-23A) 18.5 kW at 230...240 V (AC-23A) 30 kW at 400...415 V (AC-23A)
Intermittent duty class	30
Making capacity (I _{Rms})	800 A at 400 V AC-21A 800 A at 400 V AC-22A 800 A at 400 V AC-23A
[I _{cm}] rated short-circuit making capacity	2.1 kA at 400 V at I _{peak}
[I _{cw}] rated short-time withstand Rms current	960 A at 400 V duration: 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 80 A aM 10 kA at 400 V - associated fuse 80 A gG
Breaking capacity	640 A at 400 V (AC-21A) 640 A at 400 V (AC-22A) 640 A at 400 V (AC-23A)
Device composition	Switch Handle
Mechanical durability	30000 cycles
Electrical durability	30000 cycles AC-21 30000 cycles DC-1...5
Connections - terminals	Power circuit: screw clamp terminals 25 mm ² - solid Power circuit: screw clamp terminals 16 mm ² - flexible - with cable end
Tightening torque	Power circuit: 4 N.m - on screw clamp terminals
Handle front plate dimension	60 x 60 mm
Height	83 mm
Width	60 mm
Net weight	0.56 kg

Environment

Standards	IEC 60947-3
Product certifications	CSA GL UL CCC
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529 IP65
Mechanical robustness	Vibrations 10...150 Hz (1 gn) conforming to IEC 60068-2-6 Shocks 11 ms (30 Gn) conforming to IEC 60068-2-27
Ambient air temperature for operation	-20...50 °C
Fire resistance	960 °C conforming to IEC 60695-2-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	339 g
Package 1 Height	7.8 cm
Package 1 width	8.2 cm
Package 1 Length	11.7 cm
Unit Type of Package 2	S02

Number of Units in Package 2	12
Package 2 Weight	4.523 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months
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