



### Main

Range	TeSys
Product name	TeSys VARIO
Device short name	VBD
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	Hole with 22.5 mm 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	12 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 <sub>th</sub> ] conventional enclosed thermal current	10 A
[I <sub>e</sub> ] rated operational current	8.1 A AC-23 U <sub>e</sub> : 400 V
Rated operational power in W	3 kW at 400...415 V (AC-3) 4 kW at 500 V (AC-3) 1.5 kW at 230...240 V (AC-3) 5.5 kW at 500 V (AC-23A) 5.5 kW at 690 V (AC-3) 7.5 kW at 690 V (AC-23A) 3 kW at 230...240 V (AC-23A) 4 kW at 400...415 V (AC-23A)
Intermittent duty class	30
Making capacity ( I <sub>Rms</sub> )	120 A at 400 V AC-21A 120 A at 400 V AC-22A 120 A at 400 V AC-23A
[I <sub>cm</sub> ] rated short-circuit making capacity	1 kA at 400 V at I <sub>peak</sub>
[I <sub>cw</sub> ] rated short-time withstand Rms current	300 A at 400 V duration: 1 s
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 12 A aM 10 kA at 400 V - associated fuse 12 A gG
Breaking capacity	120 A at 400 V (AC-21A) 120 A at 400 V (AC-22A) 120 A at 400 V (AC-23A)
Device composition	Handle Switch
Mechanical durability	100000 cycles
Electrical durability	100000 cycles AC-21 30000 cycles DC-1 30000 cycles DC-2 30000 cycles DC-3 30000 cycles DC-4 30000 cycles DC-5
Connections - terminals	Power circuit: screw clamp terminals 10 mm <sup>2</sup> - solid Power circuit: screw clamp terminals 6 mm <sup>2</sup> - flexible - with cable end
Tightening torque	Power circuit: 2.1 N.m - on screw clamp terminals
Handle front plate dimension	60 x 60 mm
Height	74 mm
Width	60 mm
Net weight	0.215 kg

## Environment

Standards	IEC 60947-3
Product certifications	UL CCC GL CSA
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	222 g
Package 1 Height	8 cm

Package 1 width	8.5 cm
Package 1 Length	12 cm
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Weight	5.75 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

### Offer Sustainability

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

### Contractual warranty

Warranty	18 months
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