

Product data sheet

Specifications



TeSys Vario enclosed, main switch disconnecter, 20A, IP65

VBF0GE

Main

Range	TeSys
Product name	TeSys VARIO
Device short name	VBF
Device application	Preventive maintenance
Product or component type	Enclosed switch disconnecter
Performance level	High performance
Poles description	3P
Control type	Rotary handle
Handle colour	Black
Handle front plate colour	Black
Rotary handle padlocking	1 to 3 padlocks 4...8 mm

Complementary

Marking	0 - 1
[Ue] rated operational voltage	690 V AC
[Uimp] rated impulse withstand voltage	8 kV
[Ithe] conventional enclosed thermal current	20 A
[Ie] rated operational current	14.5 A (AC-23A) at 400 V
Rated operational power in W	7.5 kW at 400 V (AC-23) 5.5 kW at 400 V (AC-3)
Intermittent duty class	30
Making capacity (I rms)	250 A at 400 V AC-21A 250 A at 400 V AC-22A 250 A at 400 V AC-23A
[Icm] rated short-circuit making capacity	1 kA at 400 V at Ipeak
[Icw] 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 25 A aM 10 kA at 400 V - associated fuse 25 A gG
Breaking capacity	200 A at 400 V (AC-21A) 200 A at 400 V (AC-22A)

200 A at 400 V (AC-23A)

Mechanical durability	100000 cycles
Electrical durability	100000 cycles AC-21 30000 cycles DC-1...5
Environmental characteristic	Standard environment
Suitability for isolation	Yes
Connections - terminals	Screw clamp terminals10 mm ² - solid Screw clamp terminals6 mm ² - flexible - with cable end
Tightening torque	2.1 N.m - on screw clamp terminals
Fire resistance	960 °C conforming to IEC 60595-2-1
Handle front plate dimension	60 x 60 mm
Height	146 mm
Width	90 mm
Depth	131 mm
Net weight	0.5 kg

Environment

Standards	IEC 60204 IEC 60947-4-1
Protective treatment	TC
IP degree of protection	IP65 conforming to IEC 60529
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.500 cm
Package 1 Width	16.000 cm
Package 1 Length	11.700 cm
Package 1 Weight	470.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.760 kg
Unit Type of Package 3	P06
Number of Units in Package 3	56
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	40.580 kg

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
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
----------	-----------

Recommended replacement(s)