

# Product data sheet

## Characteristics

# VBF3GE

## TeSys Vario enclosed, main switch disconnector, 50A, IP65



### Main

Range	TeSys
Product name	TeSys VARIO
Device short name	VBF
Device application	Preventive maintenance
Product or component type	Enclosed switch disconnector
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
[Uiimp] rated impulse withstand voltage	8 kV
[Ithe] conventional enclosed thermal current	50 A
[Ie] rated operational current	41.5 A (AC-23A) at 400 V
Rated operational power in W	22 kW at 400 V (AC-23) 18.5 kW at 400 V (AC-3)
Intermittent duty class	30
Making capacity ( I rms)	630 A at 400 V AC-21A 630 A at 400 V AC-22A 630 A at 400 V AC-23A
[Icm] rated short-circuit making capacity	2.1 kA at 400 V at 1peak
[Icw] rated short-time withstand Rms current	756 A at 400 V duration: 1 s
Rated conditional short-circuit current	10 KA at 400 V - associated fuse 63 A aM 10 kA at 400 V - associated fuse 63 A gG
Breaking capacity	500 A at 400 V (AC-21A) 500 A at 400 V (AC-22A) 500 A at 400 V (AC-23A)
Mechanical durability	30000 cycles
Electrical durability	30000 Cycles AC-21 30000 cycles DC-1...5
Environmental characteristic	Standard environment
Suitability for isolation	Yes
Connections - terminals	Screw clamp terminals 16 mm <sup>2</sup> - flexible - with cable end Screw clamp terminals 25 mm <sup>2</sup> - solid
Tightening torque	4 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	180 mm
Width	157 mm
Depth	152 mm
Net weight	0.93 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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 Weight	920 g
Package 1 Height	17.5 cm
Package 1 width	19.5 cm
Package 1 Length	21.5 cm
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Weight	6.29 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm
Unit Type of Package 3	P06
Number of Units in Package 3	24
Package 3 Weight	35.588 kg
Package 3 Height	80 cm
Package 3 width	80 cm
Package 3 Length	60 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<input checked="" type="checkbox"/> <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> <a href="#">China RoHS Declaration</a>
Environmental Disclosure	<input checked="" type="checkbox"/> <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

## Contractual warranty

Warranty	18 months
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