Product data sheet

Specifications

Enclosed switch disconnector, TeSys Control, for ON/OFF, 20A, 3P, IP65

VBF01GE

Product availability: Non-Stock - Not normally stocked in distribution facility

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 0.2…0.3 in (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	16 A
[Ie] rated operational current	11 A AC-23A)400 V
Rated operational power in W	5.5 kW 400 V AC-23) 4 kW 400 V AC-3)
Intermittent duty class	30
Making capacity (I rms)	200 A 400 V AC-21A 200 A 400 V AC-22A 200 A 400 V AC-23A
[Icm] rated short-circuit making capacity	1 kA 400 V at Ipeak
[Icw] rated short-time withstand Rms current	300 A 400 V 1 s
Rated conditional short-circuit current	10 kA 400 V 20 A aM 10 kA 400 V 20 A gG
Breaking capacity	200 A 400 V AC-21A) 200 A 400 V AC-22A) 200 A 400 V AC-23A)
Mechanical durability	100000 cycles
Electrical durability	100000 cycles AC-21 30000 cycles DC-1...5

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Environmental characteristic	Standard environment
Suitability for isolation	Yes
Connections - terminals	screw clamp terminals 0.02 in² (10 mm²) solid screw clamp terminals 0.009 in² (6 mm²) flexible - with cable end
Tightening torque	18.6 lbf.in (2.1 N.m) screw clamp terminals
Fire resistance	1760 °F (960 °C) IEC 60595-2-1
handle front plate dimension	60 x 60 mm
Height	5.7 in (146 mm)
Width	3.5 in (90 mm)
Depth	5.2 in (131 mm)
Product Weight	1.1 lb(US) (0.5 kg)

Environment

Standards	IEC 60947-4-1 IEC 60204
Protective treatment	TC
IP degree of protection	IP65 conforming to IEC 60529
Mechanical robustness	Vibrations 10...150 Hz 1 gn) IEC 60068-2-6 Shocks 11 ms 30 Gn) IEC 60068-2-27
Ambient Air Temperature for Operation	-4…122 °F (-20…50 °C)

Ordering and shipping details

Category	US10CP121730
Discount Schedule	0CP1
GTIN	3389110201048
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.906 in (15.000 cm)
Package 1 Width	4.488 in (11.400 cm)
Package 1 Length	6.299 in (16.000 cm)
Package weight(Lbs)	16.437 oz (466.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	8.278 lb(US) (3.755 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	56

Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	90.204 lb(US) (40.916 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**17 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**3 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**13 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**9ea58720-3cf9-4883-9af8-9d64d3981af2**
EU RoHS Directive	**Compliant**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**20**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**