

Product datasheet

Specifications



TeSys Vario enclosed, main switch disconnecter, 50A, IP65

Local distributor code:

403019287

VBF3GE

EAN Code: 3389110543865

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
[Uimp] 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 Ipeak
[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 terminals16 mm ² - flexible - with cable end Screw clamp terminals25 mm ² - 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

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	17.500 cm
Package 1 Width	21.500 cm
Package 1 Length	19.500 cm
Package 1 Weight	920.000 g
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	6.290 kg

Logistical informations

Country of origin	CZ
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Contractual warranty

Warranty	18 months
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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 21

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 9ea58720-3cf9-4883-9af8-9d64d3981af2

REACH Regulation [REACH Declaration](#)

Use Again

Repack and remanufacture

Recyclability potential, in % 20

End of life manual availability 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