Product data sheet
Characteristics

VBF6
Switch disconnector,TeSys Control,for ON/OFF,175A,4 screws fixing,for mountingfor mounting on door



Main

Range	TeSys
Product name	TeSys VARIO
Device short name	VBF
Device application	Preventive maintenance
Product or component type	Switch disconnector

Complementary

Device composition	Handle Switch
Mounting support	Handle: door Switch: door
Fixing mode	By 4 screws for handle
Performance level	High performance
Poles description	3P
Contacts type and composition	3 NO
[Ue] rated operational voltage	690 V AC 50/60 Hz
Rated operational power in W	30 KW at 230...240 V (AC-3) 37 KW at 400...415 V (AC-3) 37 KW at 690 V (AC-3) 45 KW at 500 V (AC-3) 45 KW at 690 V (AC-23A) 55 KW at 500 V (AC-23A) 30 KW at 230...240 V (AC-23A) 45 KW at 400...415 V (AC-23A)
[Ie] rated operational current	83 A AC-23 Ue: 400 V
[Ith] conventional free air thermal current	175 A
[Ithe] conventional enclosed thermal current	140 A
Making capacity	1750 A at 400 V AC-21A 1750 A at 400 V AC-22A 1750 A at 400 V AC-23A
Breaking capacity	1400 A at 400 V (AC-21A) 1400 A at 400 V (AC-22A) 1400 A at 400 V (AC-23A)
Rated conditional short-circuit current	10 KA at 400 V - associated fuse 200 A aM 10 KA at 400 V - associated fuse 200 A gG
[Icm] rated short-circuit making capacity	2.8 KA at 400 V at Ipeak
[Icw] rated short-time withstand current	2100 A at 400 V duration: 1 s
[Uimp] rated impulse withstand voltage	8 KV
Suitability for isolation	Yes

Network type	AC DC
Intermittent duty class	30
Control type	Rotary handle
Rotary handle mounting style	Direct
Handle colour	Black
Handle front plate colour	Yellow
Rotary handle padlocking	1 to 3 padlocks 4…8 mm
Marking	0 - 1
Mechanical durability	30000 Cycles
Electrical durability	30000 Cycles AC-21 30000 Cycles DC-1...5
Connections - terminals	Power circuit: screw clamp terminals95 mm² - solid Power circuit: screw clamp terminals70 mm² - flexible - with cable end
Tightening torque	Power circuit: 22.6 N.m - on screw clamp terminals
Base dimension	90 x 90 mm
Height	125 Mm
Width	90 Mm
Net weight	1.2 Kg

Environment

Standards	IEC 60947-3
Product certifications	GL[RETURN]CSA[RETURN]CCC[RETURN]UL[RETURN]UKCA
IP degree of protection	IP20 conforming to IEC 60529 IP65
Protective treatment	TC
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
Compatibility code	Main switch disconnector

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.000 Cm
Package 1 Width	17.000 Cm
Package 1 Length	17.500 Cm
Package 1 Weight	1.062 Kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	6.760 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	48
Package 3 Height	75.000 Cm
Package 3 Width	80.000 Cm
Package 3 Length	60.000 Cm
Package 3 Weight	62.080 Kg

Offer Sustainability

Recyclability potential, in %	57
Total lifecycle Carbon footprint	40 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	7.580201524038504
Carbon footprint of the manufacturing phase [A1 to A3]	8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.23384012127121842
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.10521296371880769
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	28.971796700100345
Carbon footprint of the use phase [B2, B3, B4, B6]	29 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	3.1822131632594437
Carbon footprint of the end-of-life phase [C1 to C4]	3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	40
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	08e3f4ae-a23f-4b62-852e-546014a86c40
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony tr
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised