# **Product datasheet**





### Switch disconnector, TeSys Control, for ON/OFF, 80A, 4 screws fixing, for mounting on door

VBF4

#### Main

Range	TeSys	
Product Name	TeSys VARIO	
Device Short Name	VBF	
Device Application	Preventive maintenance	
Product Type	Switch disconnector	

#### Complementary

Complementary	
Device Composition	Switch
	Handle
Mounting Support	Handle: door
	Switch: door
Mounting Method	By 4 screws for handle
Performance Level	High performance
Number Of Poles	3P
Contact Type And Composition	3 NO
[Ue] lec Rated Operational Voltage	690 V AC 50/60 Hz
lec Rated Operational Power In W	18.5 kW at 690 V (AC-3)
	15 kW at 230240 V (AC-3)
	22 kW at 400415 V (AC-3)
	30 kW at 500 V (AC-3)
	30 kW at 690 V (AC-23A)
	37 kW at 500 V (AC-23A)
	18.5 kW at 230240 V (AC-23A)
	30 kW at 400415 V (AC-23A)
[le] Rated Operational Current	57 A AC-23 Ue: 400 V
[Ith] Conventional Free Air Thermal Current	80 A
[Ithe] Conventional Enclosed Thermal Current	63 A
Making Capacity ( I Rms)	800 A at 400 V AC-21A
	800 A at 400 V AC-22A
	800 A at 400 V AC-23A
Breaking Capacity	640 A at 400 V (AC-21A)
	640 A at 400 V (AC-22A)
	640 A at 400 V (AC-23A)
Rated Conditional Short Circuit	10 kA at 400 V - associated fuse 80 A aM
Current	10 kA at 400 V - associated fuse 80 A gG
[Icm] Rated Short Circuit Making Capacity	2.1 kA at 400 V at Ipeak
[Icw] Rated Short Time Withstand Current	960 A at 400 V duration: 1 s

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[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 Color	Black	
Handle Front Plate Color	Black	
Rotary Handle Padlocking	1 to 3 padlocks 48 mm	
Marking	0 - 1	
Mechanical Durability	30000 cycles	
Electrical Durability	30000 cycles AC-21 30000 cycles DC-15	
lec Terminal Connection	Power circuit: screw clamp terminals25 mm² - solid Power circuit: screw clamp terminals16 mm² - flexible - with cable end	
Tightening Torque	Power circuit: 4 N.m - on screw clamp terminals	
Base Dimension	60 x 60 mm	
Height	83 mm	
Width	60 mm	
Product Weight	0.56 kg	

#### **Environment**

Standards	IEC 60947-3
Product Certifications	CSA GL UL CCC UKCA
Degree Of Protection	IP20 conforming to IEC 60529 IP65
Protective Treatment	TC
Mechanical Robustness	Vibrations 10150 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	-2050 °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	7.800 cm
Package 1 Width	8.200 cm
Package 1 Length	11.700 cm
Package 1 Weight	351.000 g

Unit Type Of Package 2	S02
Number Of Units In Package 2	12
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.509 kg

### **Contractual warranty**

Warranty 18 months



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

#### Well-being performance

<b>②</b>	Toxic Heavy Metal Free	
<b>②</b>	Mercury Free	
<b>②</b>	Rohs Exemption Information	Yes
<b>⊘</b>	Pvc Free	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations

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