Product datasheet

Specifications

Switch disconnector,TeSys Control,for ON/OFF, 12A(VN12),Ø22.5 fixing,for mountingfor mounting on door

VBDN12

Main

Range	TeSys
Product Name	TeSys Mini-VARIO
Device Short Name	VBDN
Product Or Component Type	Switch disconnector
Performance Level	Standard
Poles Description	3P
Contacts Type And Composition	3 NO
Network Type	AC DC
Control Type	Rotary handle
Rotary Handle Mounting Style	Direct
Handle Colour	Black
Handle Front Plate Colour	Black
Rotary Handle Padlocking	1 to 3 padlocks 4…8 mm

Complementary

Marking	0 - 1
Mounting Support	Handle: door Switch: door
Fixing Mode	Hole with 22.5 mm for handle
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	6 kV
[Ith] Conventional Free Air Thermal Current	12 A
[Ithe] Conventional Enclosed Thermal Current	10 A
[Ie] Rated Operational Current	8.1 A (AC-23) at 400 V
Rated Operational Power In W	3 kW at 230...240 V (AC-23A) 4 kW at 400...415 V (AC-23A) 5.5 kW at 500 V (AC-23A) 7.5 kW at 690 V (AC-23A) 1.5 kW at 230...240 V (AC-3) 3 kW at 400...415 V (AC-3) 4 kW at 500 V (AC-3) 4 kW at 690 V (AC-3)
Intermittent Duty Class	30

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

Making Capacity (I Rms)	120 A at 400 V AC-21A 120 A at 400 V AC-22A 120 A at 400 V AC-23A
[Icm] Rated Short-Circuit Making Capacity	0.5 kA at 400 V at Ipeak
[Icw] Rated Short-Time Withstand Rms Current	140 A at 400 V duration: 1 s
Rated Conditional Short-Circuit Current	6 kA at 400 V - associated fuse 12 A aM 6 kA at 400 V - associated fuse 12 A gG
Breaking Capacity	120 kA at 400 V (AC-21A) 120 kA at 400 V (AC-22A) 120 kA at 400 V (AC-23A)
Device Composition	Switch Handle
Mechanical Durability	50000 cycles
Electrical Durability	30000 cycles DC-1...5 50000 cycles AC-21
Suitability For Isolation	Yes
Connections - Terminals	Power circuit: screw clamp terminals4 mm² - flexible - with cable end Power circuit: screw clamp terminals4 mm² - solid
Tightening Torque	Power circuit: 0.7 N.m - on screw clamp terminals
Handle Front Plate Dimension	60 x 60 mm
Height	60 mm
Width	60 mm
Net Weight	0.177 kg

Environment

Standards	IEC 60947-3
Product Certifications	UL GL CCC CSA UKCA
Protective Treatment	TC
Ip Degree Of Protection	IP65
Mechanical Robustness	Vibrations 10...150 Hz (5 gn) conforming to IEC 60068-2-6 Shocks 11 ms (15 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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	8.5 cm
Package 1 Length	12.0 cm
Package 1 Weight	178.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	24

Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.776 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
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