



TeSys Mini-Vario - switch disconnector - 20 A - on door

VBDN20

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	DC AC
Control Type	Rotary handle
Rotary Handle Mounting Style	Direct
Handle Colour	Black
Handle Front Plate Colour	Black
Rotary Handle Padlocking	1 to 3 padlocks 48 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	20 A
[Ithe] Conventional Enclosed Thermal Current	16 A
[le] Rated Operational Current	11 A (AC-23) at 400 V
Rated Operational Power In W	4 kW at 230240 V (AC-23A)
	5.5 kW at 400415 V (AC-23A)
	7.5 kW at 500 V (AC-23A)
	11 kW at 690 V (AC-23A)
	3 kW at 230240 V (AC-3)
	4 kW at 400415 V (AC-3)
	5.5 kW at 500 V (AC-3)
	5.5 kW at 690 V (AC-3)
Intermittent Duty Class	30

Making Capacity (I Rms)	200 A at 400 V AC-21A
	200 A at 400 V AC-22A
	200 A at 400 V AC-23A
	200 / dt 400 V /10 20/1
[Icm] Rated Short-Circuit Making	0.5 kA at 400 V at Ipeak
Capacity	
[Icw] Rated Short-Time Withstand	140 A at 400 V duration: 1 s
Rms Current	
Rated Conditional Short-Circuit	6 kA at 400 V - associated fuse 20 A aM
Current	6 kA at 400 V - associated fuse 20 A gG
	<u> </u>
Breaking Capacity	200 kA at 400 V (AC-21A)
	200 kA at 400 V (AC-22A)
	200 kA at 400 V (AC-23A)
Device Composition	Handle
Device Composition	Handle
	Switch
Mechanical Durability	50000 cycles
Electrical Durability	30000 cycles DC-15
Electrical Darability	· ·
	50000 cycles AC-21
Suitability For Isolation	Yes
Connections - Terminals	Development of the control of the co
Connections - Terminais	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
	- Charles and Char
Handle Front Plate Dimension	60 x 60 mm
Height	60 mm
Width	60 mm
Net Weight	0.477 l.c.
iver vveigiir	0.177 kg

Environment

Standards	IEC 60947-3
Product Certifications	CSA UL CCC GL UKCA
Protective Treatment	TC
Ip Degree Of Protection	IP65
Mechanical Robustness	Shocks 11 ms (15 gn) conforming to IEC 60068-2-27 Vibrations 10150 Hz (1 gn) conforming to IEC 60068-2-6
Ambient Air Temperature For Operation	-2050 °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	179.0 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	4.853 kg

Contractual warranty

Warranty 12 months

Sustainability Screen Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

②	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