

Product data sheet

Specifications



Switch disconnecter, TeSys Control, for ON/OFF, 12A(VN12), $\tilde{A}$ ~22.5 fixing, for mounting on door

VBDN12

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	TeSys
Product name	TeSys Mini-VARIO
Device short name	VBDN
Product or Component Type	Switch disconnecter
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 0.2...0.3 in (4...8 mm)

Complementary

Marking	0 - 1
Mounting support	Handle door Switch door
Fixing mode	Hole 0.9 in (22.5 mm) 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)400 V
Rated operational power in W	3 kW 230...240 V AC-23A) 4 kW 400...415 V AC-23A) 5.5 kW 500 V AC-23A) 7.5 kW 690 V AC-23A) 1.5 kW 230...240 V AC-3) 3 kW 400...415 V AC-3) 4 kW 500 V AC-3) 4 kW 690 V AC-3)
Intermittent duty class	30

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 400 V AC-21A 120 A 400 V AC-22A 120 A 400 V AC-23A
[Icm] rated short-circuit making capacity	0.5 kA 400 V at Ipeak
[Icw] rated short-time withstand Rms current	140 A 400 V 1 s
Rated conditional short-circuit current	6 kA 400 V 12 A aM 6 kA 400 V 12 A gG
Breaking capacity	120 kA 400 V AC-21A) 120 kA 400 V AC-22A) 120 kA 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 terminals 0.006 in² (4 mm²) flexible - with cable end Power circuit screw clamp terminals 0.006 in² (4 mm²) solid
Tightening torque	Power circuit 6.2 lbf.in (0.7 N.m) screw clamp terminals
handle front plate dimension	60 x 60 mm
Height	2.4 in (60 mm)
Width	2.4 in (60 mm)
Product Weight	0.390 lb(US) (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) IEC 60068-2-6 Shocks 11 ms 15 gn) IEC 60068-2-27
Ambient Air Temperature for Operation	-4...122 °F (-20...50 °C)
Fire resistance	1760 °F (960 °C) IEC 60695-2-1

Ordering and shipping details

Category	US10CP121730
Discount Schedule	0CP1
GTIN	3389110759853
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
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Nbr. of units in pkg.	1
Package 1 Height	3.15 in (8.0 cm)
Package 1 Width	3.35 in (8.5 cm)
Package 1 Length	4.72 in (12.0 cm)
Package weight(Lbs)	6.3 oz (178.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	10.529 lb(US) (4.776 kg)

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	
Carbon footprint (kg CO2 eq, Total Life cycle)	7
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	F532c3bb-07a1-406c-b2d3-1d0f85334c59
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
PVC free	Yes

Use Again

Repack and remanufacture	
Circularity Profile	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.

Technical Illustration

Assembly's dimensions

