

# Product data sheet

## Characteristics

# VBDN20

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



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

Price\*: 102.00 USD



### 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 0.16...0.31 in (4...8 mm)

### Complementary

Marking	0 - 1
Mounting support	Handle door Switch door
Fixing mode	Hole 0.89 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	20 A
[Ithe] conventional enclosed thermal current	16 A
[Ie] rated operational current	11 A AC-23)400 V

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Rated operational power in W	4 KW 230..240 V AC-23A) 5.5 KW 400..415 V AC-23A) 7.5 KW 500 V AC-23A) 11 KW 690 V AC-23A) 3 KW 230..240 V AC-3) 4 KW 400..415 V AC-3) 5.5 KW 500 V AC-3) 5.5 KW 690 V AC-3)
Intermittent duty class	30
Making capacity	200 A at 400 V AC-21A 200 A at 400 V AC-22A 200 A at 400 V AC-23A
[Icm] rated short-circuit making capacity	0.5 KA 400 V at Ipeak
[Icw] rated short-time withstand current	140 A 400 V 1 s
Rated conditional short-circuit current	6 KA 400 V 20 A aM 6 KA 400 V 20 A gG
Breaking capacity	200 KA 400 V AC-21A) 200 KA 400 V AC-22A) 200 KA 400 V AC-23A)
Device Composition	Handle Switch
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 0.01 in <sup>2</sup> (4 mm <sup>2</sup> ) flexible - with cable end Power circuit screw clamp terminals 0.01 in <sup>2</sup> (4 mm <sup>2</sup> ) solid
Tightening torque	Power circuit 6.20 lbf.in (0.7 N.m) screw clamp terminals
Base dimension	60 x 60 mm
Maximum Height	2.36 in (60 mm)
Maximum Width	2.36 in (60 mm)
Net Weight	0.39 Lb(US) (0.177 kg)

## Environment

Standards	IEC 60947-3
Product Certifications	CSA UL CCC GL
Protective treatment	TC
IP degree of protection	IP65
Mechanical robustness	Shocks 11 ms 15 gn) IEC 60068-2-27 Vibrations 10...150 Hz 1 gn) IEC 60068-2-6
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	21730 - V VARIO SWITCH
Discount Schedule	CP1
GTIN	03389110759891
Nbr. of units in pkg.	1
Package weight(Lbs)	6.31 Oz (179 g)
Returnability	No
Country of origin	CZ

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.15 In (8 cm)
Package 1 width	3.35 In (8.5 cm)
Package 1 Length	4.72 In (12 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Weight	10.70 Lb(US) (4.853 kg)
Package 2 Height	11.81 In (30 cm)
Package 2 width	11.81 In (30 cm)
Package 2 Length	15.75 In (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<input checked="" type="checkbox"/> <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> <a href="#">China RoHS Declaration</a>
Environmental Disclosure	<input checked="" type="checkbox"/> <a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**