Product data sheet

Specifications





Switch disconnector, TeSys Control, for ON/OFF, 20A(VN20), Ã~22.5 fixing, for mountingfor mounting on door

VBDN20

Product availability: Stock - 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 0.20.3 in (48 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 | 20 A | |
| [Ithe] conventional enclosed thermal current | 16 A | |
| [le] rated operational current | 11 A AC-23)400 V | |
| Rated operational power in W | 4 kW 230240 V AC-23A) | |
| | 5.5 kW 400415 V AC-23A) | |
| | 7.5 kW 500 V AC-23A) | |
| | 11 kW 690 V AC-23A) | |
| | 3 kW 230240 V AC-3) | |
| | 4 kW 400415 V AC-3) | |
| | 5.5 kW 500 V AC-3) | |
| | 5.5 kW 690 V AC-3) | |
| | | |

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

| Intermittent duty class | 30 | |
|---|---|--|
| Making capacity (I Rms) | 200 A 400 V AC-21A 200 A 400 V AC-22A 200 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 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-15 50000 cycles AC-21 | |
| Suitability for isolation | Yes | |
| Connections - terminals | Power circuit screw clamp terminals 0.006 in ² (4 mm ²) flexible - with cable end Power circuit screw clamp terminals 0.006 in ² (4 mm ²) 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) | |
| et Weight 0.390 lb(US) (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) IEC 60068-2-27 Vibrations 10150 Hz 1 gn) IEC 60068-2-6 | |
| Ambient Air Temperature for Operation | -4122 °F (-2050 °C) | |
| Fire resistance | 1760 °F (960 °C) IEC 60695-2-1 | |

Ordering and shipping details

| Category | US10CP121730 | |
|-------------------|---------------|--|
| Discount Schedule | 0CP1 | |
| GTIN | 3389110759891 | |
| Returnability | No | |
| Country of origin | CZ | |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|--------------------------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.1 in (8.0 cm) |
| Package 1 Width | 3.3 in (8.5 cm) |
| Package 1 Length | 4.7 in (12.0 cm) |
| Package 1 Weight | 6.3 oz (179.0 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 24 |
| Package 2 Height | 11.8 in (30.0 cm) |
| Package 2 Width | 11.8 in (30.0 cm) |
| Package 2 Length | 15.7 in (40.0 cm) |
| Package 2 Weight | 10.699 lb(US) (4.853 kg) |

Contractual warranty

Warranty

18 months

Sustainability Screen

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.

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 |
| 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 |