

Product data sheet

Specifications



Switch body, TeSys Control, 3 poles, 20A, compact size

VN20

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys
Product name	TeSys Mini-VARIO
Product or Component Type	Switch body
Performance level	Standard
Poles description	3P
Contacts type and composition	3 NO
Network type	AC DC
Network Frequency	50/60 Hz

Complementary

Mounting Support	Symmetrical rail
[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
Rated operational power in W	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) 7.5 kW 500 V AC-23A) 4 kW 230...240 V AC-23A) 5.5 kW 400...415 V AC-23A)
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 A 400 V AC-21A) 200 A 400 V AC-22A) 200 A 400 V AC-23A)
Mechanical durability	50000 cycles

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

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) solid Power circuit screw clamp terminals 0.006 in² (4 mm²) flexible - with cable end
Tightening torque	Power circuit 6.2 lbf.in (0.7 N.m) screw clamp terminals
Height	1.8 in (46.5 mm)
Width	2.2 in (56 mm)
Depth	2.4 in (62 mm)
Net Weight	0.24 lb(US) (0.11 kg)

Environment

Standards	IEC 60947-3
Product Certifications	GL UL CSA UKCA
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
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	US10CP121730
Discount Schedule	0CP1
GTIN	3389110759846
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.07 in (7.800 cm)
Package 1 Width	3.35 in (8.500 cm)
Package 1 Length	4.72 in (12.000 cm)
Package weight(Lbs)	4.198 oz (119.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	7.308 lb(US) (3.315 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)	8
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
Halogen content performance	Halogen free product
PVC free	Yes

Use Again

Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	 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

