

Product Datasheet

Characteristic

V6

Switch body,TeSys Control,3 poles,  
175A



Main

Range	TeSys
Product name	TeSys VARIO
Device short name	V
product or component type	Switch body

Complementary

mounting support	Symmetrical rail Plate
Performance level	High performance
poles description	3P
Contacts type and composition	3 NO
Network type	AC DC
Network frequency	50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz
Rated operational power in W	30 kW at 230...240 V (AC-3) 37 kW at 400...415 V (AC-3) 37 kW at 690 V (AC-3) 45 kW at 500 V (AC-3) 45 kW at 690 V (AC-23A) 55 kW at 500 V (AC-23A) 30 kW at 230...240 V (AC-23A) 45 kW at 400...415 V (AC-23A)
[Ie] rated operational current	83 A AC-23 Ue: 400 V
[Ith] conventional free air thermal current	175 A
[Ithe] conventional enclosed thermal current	140 A
Making capacity	1750 A at 400 V AC-22A 1750 A at 400 V AC-23A 1600 A at 400 V AC-21A
Breaking capacity	1400 A at 400 V (AC-21A) 1400 A at 400 V (AC-22A) 1400 A at 400 V (AC-23A)
Rated conditional short-circuit current	10 kA at 400 V - associated fuse 200 A aM 10 kA at 400 V - associated fuse 200 A gG
[Icm] rated short-circuit making capacity	2.8 kA at 400 V at Ipeak
Intermittent duty class	30
Suitability for isolation	Yes

[Uimp] rated impulse withstand voltage	8 kV
[Icw] rated short-time withstand current	2100 A at 400 V duration: 1 s
Mechanical durability	30000 cycles
Electrical durability	30000 cycles AC-21 30000 cycles DC-1...5
Connections - terminals	Power circuit: screw clamp terminals70 mm² - flexible - with cable end Power circuit: screw clamp terminals95 mm² - solid
Tightening torque	Power circuit: 22.6 N.m - on screw clamp terminals
Height	125 mm
Width	90 mm
Depth	90 mm
net weight	0.9 kg

## Environment

Standards	IEC 60947-3
Product certifications	UL CSA GL UKCA
IP degree of protection	IP20 conforming to IEC 60529
Protective treatment	TC
Mechanical robustness	Vibrations 10...150 Hz (1 gn) conforming to IEC 60068-2-6 Shocks 11 ms (30 Gn) conforming to IEC 60068-2-27
Ambient air temperature for operation	-20...50 °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	11.3 cm
Package 1 Width	13.2 cm
Package 1 Length	10.0 cm
Package 1 Weight	906.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.754 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant with Exemptions
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP2211006
Circularity Profile	N/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
Halogen content performance	Halogen free product