

# V6

## TeSys VARIO - Switch body for switch-disconnector - 3 poles - 175 A



### Main

Range	TeSys
Product name	TeSys VARIO
Device short name	V
Product or component type	Switch body
Performance level	High performance
Poles description	3P
Contacts type and composition	3 NO
Network type	AC DC
Network frequency	50/60 Hz
Suitability for isolation	Yes

### Complementary

Mounting support	Symmetrical rail Plate
[Ue] rated operational voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	175 A
[Ithe] conventional enclosed thermal current	140 A
[Ie] rated operational current	83 A AC-23 Ue: 400 V
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)
Intermittent duty class	30

Making capacity ( I Rms)	1750 A at 400 V AC-22A 1750 A at 400 V AC-23A 1600 A at 400 V AC-21A
[Icm] rated short-circuit making capacity	2.8 kA at 400 V at Ipeak
[Icw] rated short-time withstand Rms current	2100 A at 400 V duration: 1 s
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
Breaking capacity	1400 A at 400 V (AC-21A) 1400 A at 400 V (AC-22A) 1400 A at 400 V (AC-23A)
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	GL CSA UL
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
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 Weight	1.068 kg
Package 1 Height	10 cm
Package 1 width	11.5 cm
Package 1 Length	13.5 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<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

Contractual warranty

Warranty	18 months
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