



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	DC AC
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	12 A
[Ithe] conventional enclosed thermal current	10 A
[Ie] rated operational current	8.1 A (AC-23) at 400 V
Rated operational power in W	3 kW at 400...415 V (AC-3) 4 kW at 500 V (AC-3) 4 kW at 690 V (AC-3) 1.5 kW at 230...240 V (AC-3) 5.5 kW at 500 V (AC-23A) 7.5 kW at 690 V (AC-23A) 3 kW at 230...240 V (AC-23A) 4 kW at 400...415 V (AC-23A)
Intermittent duty class	30
Making capacity (I Rms)	120 A at 400 V AC-21A 120 A at 400 V AC-22A

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

	120 A at 400 V AC-23A
[Icm] rated short-circuit making capacity	0.5 kA at 400 V at Ipeak
[Icw] rated short-time withstand Rms current	140 A at 400 V duration: 1 s
Rated conditional short-circuit current	6 kA at 400 V - associated fuse 12 A aM 6 kA at 400 V - associated fuse 12 A gG
Breaking capacity	120 A at 400 V (AC-22A) 120 A at 400 V (AC-23A) 120 A at 400 V (AC-21A)
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 4 mm ² - solid Power circuit: screw clamp terminals 4 mm ² - flexible - with cable end
Tightening torque	Power circuit: 7 N.m - on screw clamp terminals
Height	46.5 mm
Width	56 mm
Depth	62 mm
Net weight	0.11 kg

Environment

Standards	IEC 60947-3
Product certifications	UL CSA GL
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
Mechanical robustness	Vibrations 10...150 Hz (5 gn) conforming to IEC 60068-2-6 Shocks 11 ms (15 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	120 g
Package 1 Height	8 cm
Package 1 width	8.5 cm
Package 1 Length	12.4 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
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

PVC free	Yes
Halogen content performance	Halogen free product

Contractual warranty

Warranty	18 months
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