

# VN12

## TeSys Mini-VARIO - Switch body for switch-disconnector - 3 poles - 12 A



### 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	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	4 kW at 400...415 V (AC-23A) 3 kW at 230...240 V (AC-23A) 7.5 kW at 690 V (AC-23A) 5.5 kW at 500 V (AC-23A) 1.5 kW at 230...240 V (AC-3) 4 kW at 690 V (AC-3) 4 kW at 500 V (AC-3) 3 kW at 400...415 V (AC-3)
Intermittent duty class	30
Making capacity ( I Rms)	120 A 400 V (AC-23A) 120 A 400 V (AC-22A) 120 A 400 V (AC-21A)
[Icm] rated short-circuit making capacity	0.5 kA 400 V at Ipeak
[Icw] rated short-time withstand Rms current	140 A 400 V during 1 s
Rated conditional short-circuit current	6 kA 400 V - associated fuse 12 A gG 6 kA 400 V - associated fuse 12 A aM
Breaking capacity	120 A 400 V AC-21A 120 A 400 V AC-23A 120 A 400 V AC-22A
Mechanical durability	50000 cycles
Electrical durability	50000 cycles AC-21 30000 cycles DC-1...5
Suitability for isolation	Yes
Connections - terminals	Power circuit : screw clamp terminals cable 4 mm <sup>2</sup> - cable stiffness: flexible - with cable end cable end Power circuit : screw clamp terminals cable 4 mm <sup>2</sup> - cable stiffness: solid -
Tightening torque	Power circuit : 7 N.m - on screw clamp terminals
Height	46.5 mm
Width	56 mm
Depth	62 mm
Product weight	0.11 kg

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## Environment

Standards	IEC 60947-3
Product certifications	CSA GL UL
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 5 gn IEC 60068-2-6
Ambient air temperature for operation	-20...50 °C
Fire resistance	960 °C conforming to IEC 60695-2-1

## Contractual warranty

Period	18 months
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