

## Product data sheet

### Characteristics

# VCDN20

TeSys Mini-Vario - emergency stop switch  
disconnecter - 20 A - on door



### Main

Range	TeSys
Product name	TeSys Mini-VARIO
Device short name	VCDN
Product or component type	Emergency stop switch disconnecter
Performance level	Standard
Poles description	3P
Contacts type and composition	3 NO
Network type	DC AC
Control type	Rotary handle
Rotary handle mounting style	Direct
Handle colour	Red
Handle front plate colour	Yellow
Rotary handle padlocking	1 to 3 padlocks 4...8 mm

### Complementary

Marking	0 - 1
Mounting support	Handle: door Switch: door
Fixing mode	Hole with 22.5 mm for handle
[I <sub>th</sub> ] conventional free air thermal current	20 A
[I <sub>the</sub> ] conventional enclosed thermal current	16 A
[I <sub>e</sub> ] rated operational current	11 A (AC-23) at 400 V
Rated operational power in W	4 kW at 230...240 V (AC-23A) 5.5 kW at 400...415 V (AC-23A) 7.5 kW at 500 V (AC-23A) 11 kW at 690 V (AC-23A) 3 kW at 230...240 V (AC-3)

	4 kW at 400...415 V (AC-3) 5.5 kW at 500 V (AC-3) 5.5 kW at 690 V (AC-3)
Intermittent duty class	30
Making capacity ( I Rms)	200 A at 400 V AC-21A 200 A at 400 V AC-22A 200 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 20 A aM 6 kA at 400 V - associated fuse 20 A gG
Breaking capacity	200 kA at 400 V (AC-21A) 200 kA at 400 V (AC-22A) 200 kA at 400 V (AC-23A)
Device composition	Handle Switch
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 <sup>2</sup> - flexible - with cable end Power circuit: screw clamp terminals 4 mm <sup>2</sup> - solid
Tightening torque	Power circuit: 0.7 N.m - on screw clamp terminals
Handle front plate dimension	60 x 60 mm
Height	60 mm
Width	60 mm
Net weight	0.177 kg

## Environment

Standards	IEC 60947-3
Product certifications	GL CSA UL CCC
Protective treatment	TC
IP degree of protection	IP65
Mechanical robustness	Shocks 11 ms (15 gn) conforming to IEC 60068-2-27 Vibrations 10...150 Hz (1 gn) conforming to IEC 60068-2-6

## 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>
Circularity Profile	No need of specific recycling operations
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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