Product datasheet

Specifications



Disconnect switch, TeSys VLS, body switch, 60A, 40HP at 480VAC, UL98, three phase, 50kA SCCR, size 2, DIN rail mount

Local distributor code:

407812367 VLS3P063R2

EAN Code: 3606481156471

Main

Range	TeSys
Product Name	TeSys VARIO LS
Device Short Name	VLS3P
Product Type	Switch body

Complementary

Device Composition	Switch Handle
Mounting Support	Back: DIN rail
Mounting Method	By clips for back
Performance Level	High performance
Number of Poles	3P
Contact Type and Composition	3 NO
Color	Grey
[Ue] UL Rated Operational Voltage	600 V AC 50/60 Hz conforming to UL 508
[Ue] IEC Rated Operational Voltage	690 V AC 50/60 Hz
UL Maxium Horsepower Ratings	20 hp at 200/208 V AC 20 hp at 240 V AC 40 hp at 480 V AC 40 hp at 600 V AC 3 hp at 120 V AC 7.5 hp at 240 V AC
IEC Rated Operational Power in W	30 kW at 400 V (AC-23A) 45 kW at 500 V (AC-23A) 45 kW at 690 V (AC-23A)
[Ie] Rated Operational Current	60 A Ue: 600 V conforming to UL98 63 A AC-21A Ue: 400 V 63 A AC-21A Ue: 500 V 63 A AC-21A Ue: 690 V 63 A AC-22A Ue: 400 V 63 A AC-22A Ue: 500 V 63 A AC-22A Ue: 690 V 63 A AC-23A Ue: 400 V 63 A AC-23A Ue: 500 V 47 A AC-23A Ue: 690 V
[Ith] Conventional Free Air Thermal Current	63 A (at 55 °C)
[Ithe] Conventional Enclosed Thermal Current	63 A
Making Capacity (I Rms)	94.5 A at 690 V AC-21A 189 A at 690 V AC-22A 630 A at 690 V AC-23A

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

Breaking Capacity	94.5 A at 690 V (AC-21A) 189 A at 690 V (AC-22A) 504 A at 690 V (AC-23A)
SCCR	Circuit-breaker 150 A maximum: 100 kA at 480 V AC Fuse CC 200 A maximum: 100 kA at 480 V AC Fuse J 200 A maximum: 100 kA at 480 V AC Fuse T 200 A maximum: 100 kA at 480 V AC Fuse CC 60 A maximum: 50 kA at 600 V AC Fuse J 60 A maximum: 50 kA at 600 V AC Fuse T 60 A maximum: 50 kA at 600 V AC
Rated Conditional Short Circuit Current	50 kA at 400 V - associated fuse 63 A gG
[Icm] Rated Short Circuit Making Capacity	3550 A at 690 V
[Icw] Rated Short Time Withstand Current	2500 A at 690 V duration: 1 s
[Uimp] Rated Impulse Withstand Voltage	8 kV
Suitability for Isolation	Yes
Network Type	AC
Network Frequency	50/60 Hz
Intermittent Duty Class	Class 120 - 60 %
Control Type	Rotary handle
Rotary Handle Mounting Style	Direct
Handle Color	Black
Handle Front Plate Color	Grey
Rotary Handle Padlocking	1 padlock 4 mm
Marking	0 - 1
Mechanical Durability	30000 cycles
Electrical Durability	30000 cycles AC-21
UL Wire Size	12 AWG...1 AWG copper
IEC Terminal Connection	Power circuit: screw clamp terminals50 mm^2 - solid Power circuit: screw clamp terminals70 mm^2 - flexible - without cable end
Tightening Torque	Power circuit: 5…6 N.m - on screw clamp terminals
Height	75 mm
Width	70 mm
Depth	100 mm
Product Weight	0.365 kg

Environment

Standards	UL98 CSA C22.2 No 4 IEC 60947-3
Product Certifications	cULus GL
Degree of Protection	IP20 conforming to IEC 60529
Mechanical Robustness	Vibrations 2...100 Hz Fc (0.7 g) conforming to IEC 60068-2-6 Shocks 11 ms Ea (15 gn) conforming to IEC 60068-2-27
Ambient Air Temperature for Operation	-25…55 °C
Fire Resistance	960 °C conforming to IEC 60695-2-11

Compatibility Code	VLS

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	8.5 cm
Package 1 Length	12.0 cm
Package 1 Weight	409.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	11.555 kg

Logistical informations

Country of origin	IT

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**

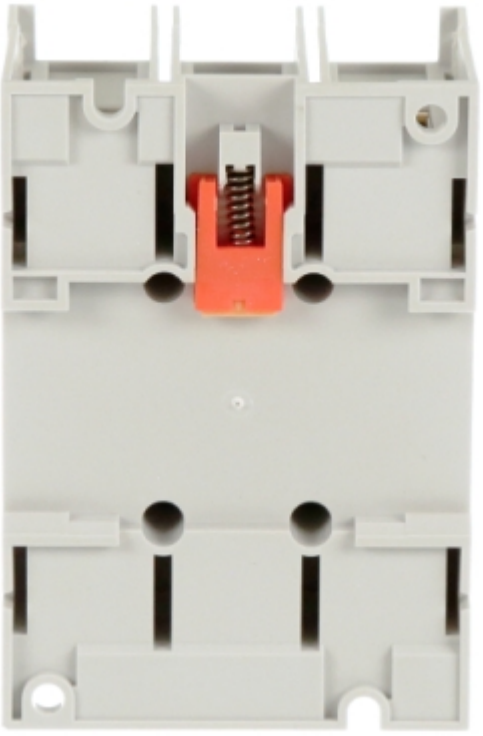
Use Again

Repack and remanufacture

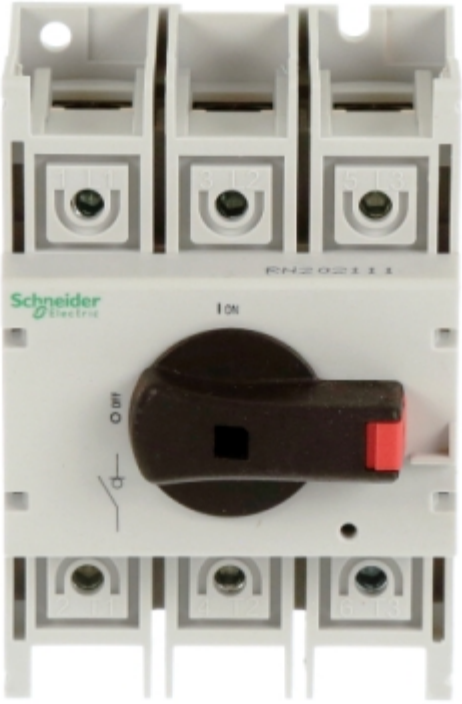
End of life manual availability	**No need of specific recycling operations**
Take-back	**No**
WEEE Label	 **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Image of product / Alternate images

Alternative






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ON
OFF

