

# Product data sheet

Specifications



Disconnect switch, TeSys VLS,  
body switch, 32A, 20HP at 480VAC,  
UL508, three phase, 5kA SCCR,  
size 1, door mount

VLS3P032D1

## Main

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

## Complementary

Mounting Support	Door
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 UL 508
Network type	AC
Network frequency	50/60 Hz
UL Maxium Horsepower Ratings	10 hp 200/208 V AC 10 hp 240 V AC 20 hp 480 V AC 20 hp 600 V AC 2 hp 120 V AC 5 hp 240 V AC
[Ue] IEC Rated Operational Voltage	690 V AC 50/60 Hz
IEC Rated Operational Power in W	15 kW 400 V AC-23A) 18.5 kW 500 V AC-23A) 22 kW 690 V AC-23A)
[Ie] Rated Operational Current	32 A Ue: 600 V UL 508 32 A AC-21A Ue: 400 V 32 A AC-21A Ue: 500 V 32 A AC-21A Ue: 690 V 32 A AC-22A Ue: 400 V 32 A AC-22A Ue: 500 V 32 A AC-22A Ue: 690 V 32 A AC-23A Ue: 400 V 25 A AC-23A Ue: 500 V 25 A AC-23A Ue: 690 V
[Ith] Conventional Free Air Thermal Current	32 A (at 131 °F (55 °C))
[Ithe] Conventional Enclosed Thermal Current	32 A
Making capacity ( I Rms)	320 A 690 V AC-23A 48 A 690 V AC-21A 96 A 690 V AC-22A

<b>Breaking Capacity</b>	48 A 690 V AC-21A) 96 A 690 V AC-22A) 256 A 690 V AC-23A)
<b>SCCR</b>	Fuse RK5 45 A maximum: 5 kA at 600 V AC
<b>Rated Conditional Short Circuit Current</b>	50 kA 400 V 32 A gG
<b>[Icm] Rated Short Circuit Making Capacity</b>	1128 A 690 V
<b>Intermittent duty class</b>	Class 120 - 60 %
<b>[Uimp] rated impulse withstand voltage</b>	8 kV
<b>[Icw] rated short-time withstand Rms current</b>	800 A 690 V 1 s
<b>Mechanical Durability</b>	100000 cycles
<b>Electrical Durability</b>	100000 cycles AC-21A
<b>UL Wire Size</b>	AWG 18...AWG 6 copper
<b>IEC Terminal Connection</b>	Power circuit screw clamp terminals 0.02 in <sup>2</sup> (10 mm <sup>2</sup> ) solid Power circuit screw clamp terminals 0.02 in <sup>2</sup> (16 mm <sup>2</sup> ) flexible - without cable end
<b>Tightening Torque</b>	Power circuit 15.9...17.7 lbf.in (1.8...2 N.m) screw clamp terminals
<b>Height</b>	2.9 in (73 mm)
<b>Width</b>	1.8 in (45 mm)
<b>Depth</b>	3.07 in (78 mm)
<b>Product Weight</b>	0.298 lb(US) (0.135 kg)

## Environment

<b>Standards</b>	UL 508 CSA C22.2 No 14 IEC 60947-3
<b>Product Certifications</b>	cULus GL
<b>Degree of Protection</b>	IP20 conforming to IEC 60529
<b>Mechanical Robustness</b>	Vibrations 2...100 Hz Fc 0.7 g) IEC 60068-2-6 Shocks 11 ms Ea 15 gn) IEC 60068-2-27
<b>Ambient Air Temperature for Operation</b>	-13...131 °F (-25...55 °C)
<b>Fire Resistance</b>	1760 °F (960 °C) IEC 60695-2-11

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.15 in (8.000 cm)
<b>Package 1 Width</b>	3.35 in (8.500 cm)
<b>Package 1 Length</b>	4.72 in (12.000 cm)
<b>Package 1 Weight</b>	6.702 oz (190.000 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	27
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)

---

**Package 2 Weight**

12.452 lb(US) (5.648 kg)

## 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

 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant

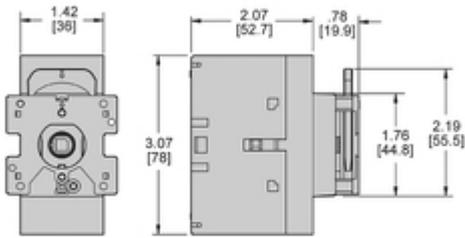
### Use Again

 <b>Repack and remanufacture</b>	
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

Technical Illustration

Dimensions

---



VLS3P016D1  
VLS3P025D1  
VLS3P032D1  
VLS3P040D1

in.  
[mm]

ALL DIMENSIONS ARE APPROXIMATE.  
ALSO SEE TECHNICAL DRAWINGS AND DOCUMENTATION.