

# Product data sheet

Specifications



Disconnect switch, TeSys VLS, body switch, 40A, 20HP at 480VAC, UL508, three phase, 5kA SCCR, size 1, door mount

VLS3P040D1

**Product availability:** Stock - Normally stocked in distribution facility

## 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	Gray
[Ue] UL Rated Operational Voltage	600 V AC 50/60 Hz UL 508
Network type	AC
Network frequency	50/60 Hz
UL Maximum Horsepower Ratings	10 hp 200/208 V AC 15 hp 240 V AC 20 hp 480 V AC 25 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	18.5 kW 400 V AC-23A) 18.5 kW 500 V AC-23A) 22 kW 690 V AC-23A)
[Ie] Rated Operational Current	40 A Ue: 600 V UL 508 40 A AC-21A Ue: 400 V 40 A AC-21A Ue: 500 V 40 A AC-21A Ue: 690 V 40 A AC-22A Ue: 400 V 40 A AC-22A Ue: 500 V 40 A AC-22A Ue: 690 V 25 A AC-23A Ue: 500 V 25 A AC-23A Ue: 690 V
[Ith] Conventional Free Air Thermal Current	40 A (at 131 °F (55 °C))
[Ithe] Conventional Enclosed Thermal Current	40 A

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Making capacity ( I Rms)</b>	120 A 690 V AC-22A 400 A 690 V AC-23A 60 A 690 V AC-21A
<b>Breaking Capacity</b>	60 A 690 V AC-21A) 120 A 690 V AC-22A) 320 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 40 A gG
<b>[I<sub>cm</sub>] Rated Short Circuit Making Capacity</b>	1128 A 690 V
<b>Intermittent duty class</b>	Class 120 - 60 %
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	8 kV
<b>[I<sub>cw</sub>] 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

## Ordering and shipping details

<b>Category</b>	US10CP121734
<b>Discount Schedule</b>	0CP1
<b>GTIN</b>	3606481156549
<b>Returnability</b>	Yes
<b>Country of origin</b>	IT

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1

Package 1 Height	3.23 in (8.200 cm)
Package 1 Width	3.35 in (8.500 cm)
Package 1 Length	4.84 in (12.300 cm)
Package weight(Lbs)	6.772 oz (192.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	13.120 lb(US) (5.951 kg)



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
<a href="#">EU RoHS Directive</a>	Compliant

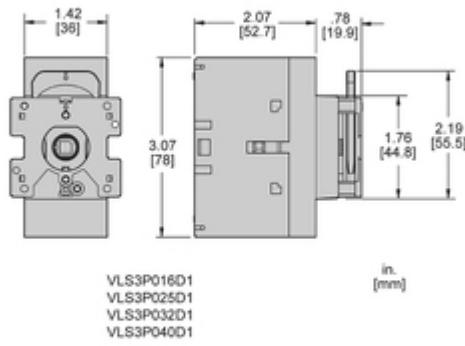
## Use Again

### Repack and remanufacture

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



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