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 Maxium 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 40 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	40 A (at 131 °F (55 °C))
[Ithe] Conventional Enclosed Thermal Current	40 A
Making capacity (I Rms)	120 A 690 V AC-22A 400 A 690 V AC-23A 60 A 690 V AC-21A

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

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	60 A 690 V AC-21A) 120 A 690 V AC-22A) 320 A 690 V AC-23A)
SCCR	Fuse RK5 45 A maximum: 5 kA at 600 V AC
Rated Conditional Short Circuit Current	50 kA 400 V 40 A gG
[Icm] Rated Short Circuit Making Capacity	1128 A 690 V
Intermittent duty class	Class 120 - 60 %
[Uimp] rated impulse withstand voltage	8 kV
[Icw] rated short-time withstand Rms current	800 A 690 V 1 s
Mechanical Durability	100000 cycles
Electrical Durability	100000 cycles AC-21A
UL Wire Size	AWG 18...AWG 6 copper
IEC Terminal Connection	Power circuit screw clamp terminals 0.02 in² (10 mm²) solid Power circuit screw clamp terminals 0.02 in² (16 mm²) flexible - without cable end
Tightening Torque	Power circuit 15.9…17.7 lbf.in (1.8…2 N.m) screw clamp terminals
Height	2.9 in (73 mm)
Width	1.8 in (45 mm)
Depth	3.07 in (78 mm)
Product Weight	0.298 lb(US) (0.135 kg)

Environment

Standards	UL 508 CSA C22.2 No 14 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) IEC 60068-2-6 Shocks 11 ms Ea 15 gn) IEC 60068-2-27
Ambient Air Temperature for Operation	-13…131 °F (-25…55 °C)
Fire Resistance	1760 °F (960 °C) IEC 60695-2-11

Ordering and shipping details

Category	US10CP121734
Discount Schedule	0CP1
GTIN	3606481156549
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.228 in (8.200 cm)
Package 1 Width	3.346 in (8.500 cm)

Package 1 Length	4.843 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	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	13.120 lb(US) (5.951 kg)

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 Longer

Lifetime extension

Repair	**No**

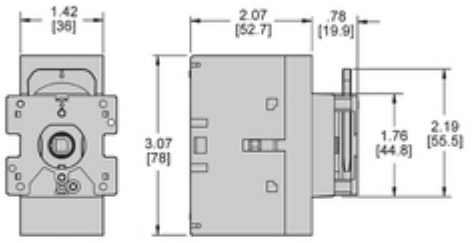
Use Again

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



VLS3P016D1
VLS3P025D1
VLS3P032D1
VLS3P040D1

in.
[mm]

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