

Product data sheet

Specifications



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

VLS3P040D1

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 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

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 in ² (10 mm ²) solid Power circuit screw clamp terminals 0.02 in ² (16 mm ²) 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	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 1 Weight	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)

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

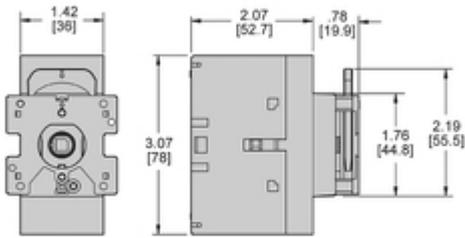
 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant

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.