

# Product data sheet

Specifications



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

VLS3P032D1

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<br>10 hp 240 V AC<br>20 hp 480 V AC<br>20 hp 600 V AC<br>2 hp 120 V AC<br>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)<br>18.5 kW 500 V AC-23A)<br>22 kW 690 V AC-23A)                                                                                                                                                                                    |
| [Ie] Rated Operational Current               | 32 A Ue: 600 V UL 508<br>32 A AC-21A Ue: 400 V<br>32 A AC-21A Ue: 500 V<br>32 A AC-21A Ue: 690 V<br>32 A AC-22A Ue: 400 V<br>32 A AC-22A Ue: 500 V<br>32 A AC-22A Ue: 690 V<br>32 A AC-23A Ue: 400 V<br>25 A AC-23A Ue: 500 V<br>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                                                                                                                                                                                                                                                   |

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

|                                              |                                                                                                                                                   |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Making capacity ( I Rms)                     | 320 A 690 V AC-23A<br>48 A 690 V AC-21A<br>96 A 690 V AC-22A                                                                                      |
| Breaking Capacity                            | 48 A 690 V AC-21A)<br>96 A 690 V AC-22A)<br>256 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 32 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<br>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<br>CSA C22.2 No 14<br>IEC 60947-3                                               |
| Product Certifications                | cULus<br>GL                                                                            |
| Degree of Protection                  | IP20 conforming to IEC 60529                                                           |
| Mechanical Robustness                 | Vibrations 2...100 Hz Fc 0.7 g) IEC 60068-2-6<br>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              | 3606481156532 |
| Returnability     | Yes           |
| Country of origin | IT            |

## Packing Units

|                        |     |
|------------------------|-----|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg.  | 1   |

|                              |                          |
|------------------------------|--------------------------|
| Package 1 Height             | 3.15 in (8.000 cm)       |
| Package 1 Width              | 3.35 in (8.500 cm)       |
| Package 1 Length             | 4.72 in (12.000 cm)      |
| Package weight(Lbs)          | 6.702 oz (190.000 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             | 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

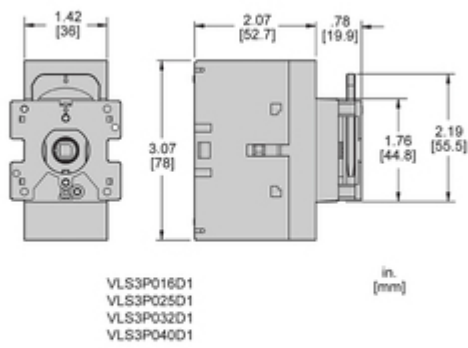
|  Materials and Substances |           |
|------------------------------------------------------------------------------------------------------------|-----------|
| Packaging made with recycled cardboard                                                                     | Yes       |
| Packaging without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

Use Again

|  Repack and remanufacture |    |
|------------------------------------------------------------------------------------------------------------|----|
| Take-back                                                                                                  | No |

Technical Illustration

Dimensions



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