

Product data sheet

Specifications



Disconnect switch, TeSys VLS, body switch, 25A, 15HP at 480VAC, UL508, three phase, 5kA SCCR, size 1, DIN rail mount

VLS3P025R1

Main

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

Complementary

| | |
|---|--|
| Device Composition | Switch Handle |
| Mounting Support | Back DIN rail |
| Mounting Method | By clips back |
| 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 |
| [Ue] IEC Rated Operational Voltage | 690 V AC 50/60 Hz |
| UL Maxium Horsepower Ratings | 7.5 hp 200/208 V AC 7.5 hp 240 V AC 15 hp 480 V AC 20 hp 600 V AC 1.5 hp 120 V AC 3 hp 240 V AC |
| IEC Rated Operational Power in W | 11 kW 400 V AC-23A) 15 kW 500 V AC-23A) 22 kW 690 V AC-23A) |
| [Ie] Rated Operational Current | 25 A Ue: 600 V UL 508 25 A AC-21A Ue: 400 V 25 A AC-21A Ue: 500 V 25 A AC-21A Ue: 690 V 25 A AC-22A Ue: 400 V 25 A AC-22A Ue: 500 V 25 A AC-22A Ue: 690 V 25 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 | 25 A 131 °F (55 °C) |

| | |
|---|---|
| [Ithe] Conventional Enclosed Thermal Current | 25 A |
| Making Capacity (I Rms) | 37.5 A 690 V AC-21A 75 A 690 V AC-22A 250 A 690 V AC-23A |
| Breaking Capacity | 37.5 A 690 V AC-21A) 75 A 690 V AC-22A) 200 A 690 V AC-23A) |
| SCCR | Fuse RK5 30 A maximum: 5 kA at 600 V AC |
| Rated Conditional Short Circuit Current | 50 kA 400 V 25 A gG |
| [Icm] Rated Short Circuit Making Capacity | 1128 A 690 V |
| [Icw] Rated Short Time Withstand Current | 800 A 690 V 1 s |
| [Uimp] Rated Impulse Withstand Voltage | 8 kV |
| Suitability for Isolation | Yes |
| Network Type | AC |
| Network Frequency | 50/60 Hz |
| Intermittent Duty Class | Class 120 - 60 % |
| Control Type | Rotary handle |
| Rotary Handle Mounting Style | Direct |
| Handle Color | Black |
| Handle Front Plate Color | Grey |
| Rotary Handle Padlocking | 1 padlock 0.16 in (4 mm) |
| Marking | 0 - 1 |
| 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 15.93...17.70 lbf.in (1.8...2 N.m) screw clamp terminals |
| Height | 2.95 in (75 mm) |
| Width | 1.42 in (36 mm) |
| Depth | 3.07 in (78 mm) |
| Product Weight | 0.30 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 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 |
| Compatibility Code | VLS |

Packing Units

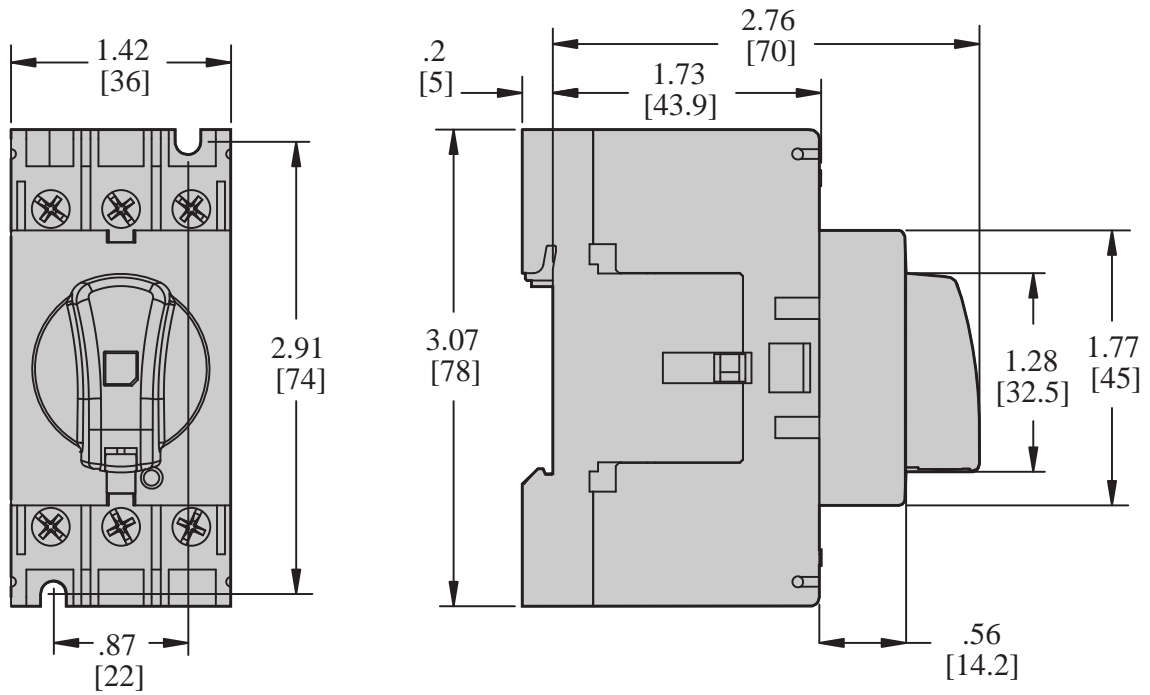
| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.15 in (8.0 cm) |
| Package 1 Width | 3.35 in (8.5 cm) |
| Package 1 Length | 4.72 in (12.0 cm) |
| Package 1 Weight | 6.00 oz (170.0 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 27 |
| Package 2 Height | 11.81 in (30.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 11.13 lb(US) (5.05 kg) |

Offer Sustainability

| | |
|----------------------------|---|
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| RoHS exemption information | Yes |

Dimensions

in.
[mm]



VLS3P016R1
VLS3P025R1
VLS3P032R1
VLS3P040R1
VLS3P063R1

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

Recommended replacement(s)