

VLS3P030R2

Disconnect switch, TeSys VLS, body switch, 30A, 20HP at 480VAC, UL98, three phase, 50kA SCCR, size 2, DIN rail mount



Main

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

Complementary

| | |
|--|--|
| Device Composition | Handle Switch |
| 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 | Gray |
| [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 | 10 Hp 200/208 V AC 10 Hp 240 V AC 20 Hp 480 V AC 30 Hp 600 V AC 2 Hp 120 V AC 5 hp 240 V AC |
| IEC Rated Operational Power in W | 15 KW 400 V AC-23A) 18.5 KW 500 V AC-23A) 22 kW 690 V AC-23A) |
| [Ie] Rated Operational Current | 30 A Ue: 600 V UL98 30 A AC-21A Ue: 400 V 30 A AC-21A Ue: 500 V 30 A AC-21A Ue: 690 V 30 A AC-22A Ue: 400 V 30 A AC-22A Ue: 500 V 30 A AC-22A Ue: 690 V 30 A AC-23A Ue: 400 V 30 A AC-23A Ue: 500 V 30 A AC-23A Ue: 690 V |
| [Ith] Conventional Free Air Thermal Current | 32 A 131 °F (55 °C) |
| [Ithe] Conventional Enclosed Thermal Current | 30 A |
| Making Capacity (I Rms) | 48 A 690 V AC-21A 96 A 690 V AC-22A 320 A 690 V AC-23A |
| Breaking Capacity | 48 A 690 V AC-21A) 96 A 690 V AC-22A) 256 A 690 V AC-23A) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---|---|
| SCCR | Circuit-breaker 100 A maximum: 100 kA at 480 V AC Fuse CC 100 A maximum: 100 kA at 480 V AC Fuse J 100 A maximum: 100 kA at 480 V AC Fuse T 100 A maximum: 100 kA at 480 V AC Fuse CC 60 A maximum: 50 kA at 600 V AC Fuse J 60 A maximum: 50 kA at 600 V AC Fuse T 60 A maximum: 50 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 |
| [Icw] Rated Short Time Withstand Current | 2500 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 | 30000 cycles |
| Electrical Durability | 30000 cycles AC-21 |
| UL Wire Size | AWG 12...AWG 1 copper |
| IEC Terminal Connection | Power circuit screw clamp terminals 0.08 in ² (50 mm ²) solid Power circuit screw clamp terminals 0.11 in ² (70 mm ²) flexible - without cable end |
| Tightening Torque | Power circuit 44.25...53.10 lbf.in (5...6 N.m) screw clamp terminals |
| Height | 2.95 in (75 mm) |
| Width | 2.76 in (70 mm) |
| Depth | 3.94 in (100 mm) |
| Product Weight | 0.80 lb(US) (0.365 kg) |

Environment

| | |
|---------------------------------------|--|
| Standards | UL98 CSA C22.2 No 4 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 |
| Compatibility Code | VLS |

Ordering and shipping details





| | |
|-------------------|-------------------------------------|
| Category | 21734-TESYS VLS DISCONNECT SWITCHES |
| Discount Schedule | CP1 |
| GTIN | 3606481385956 |
| Returnability | Yes |

Packing Units

| | |
|------------------------------|--------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.76 in (7.0 cm) |
| Package 1 Width | 3.94 in (10.0 cm) |
| Package 1 Length | 2.76 in (7.0 cm) |
| Package 1 Weight | 13.23 oz (375.0 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 | 23.89 lb(US) (10.838 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 |
| RoHS exemption information |  Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |