

# Product data sheet

## Characteristics

# VLS3P016R1

Disconnect switch, TeSys VLS, body switch, 16A, 10HP at 480VAC, UL508, three phase, 5kA SCCR, size 1, DIN rail mount

Product availability: Stock - Normally stocked in distribution facility

Price\*: 34.14 USD



### Main

|                           |                |
|---------------------------|----------------|
| Range                     | TeSys          |
| Product name              | TeSys VARIO LS |
| Device short name         | VLS3P          |
| Product or Component Type | Switch body    |

### Complementary

|                                |  |
|--------------------------------|--|
| Device Composition             | Handle<br>Switch   |
| Mounting support               | Back DIN rail  |
| Fixing mode                    | By clips back  |
| Performance level              | High performance   |
| Poles description              | 3P   |
| Contacts type and composition  | 3 NO   |
| Color                          | Gray   |
| [Ue] rated operational voltage | 600 V AC 50/60 Hz UL 508   |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz  |
| Maximum Horse Power Rating     | 5 Hp 200/208 V AC<br>5 Hp 240 V AC<br>10 Hp 480 V AC<br>10 Hp 600 V AC<br>1 Hp 120 V AC<br>2 Hp 240 V AC   |
| Rated operational power in W   | 7.5 KW 400 V AC-23A)<br>7.5 KW 500 V AC-23A)<br>11 KW 690 V AC-23A)  |
| [Ie] rated operational current | 16 A Ue: 600 V UL 508<br>16 A AC-21A Ue: 400 V<br>16 A AC-21A Ue: 500 V<br>16 A AC-21A Ue: 690 V<br>16 A AC-22A Ue: 400 V<br>16 A AC-22A Ue: 500 V<br>16 A AC-22A Ue: 690 V<br>16 A AC-23A Ue: 400 V<br>16 A AC-23A Ue: 500 V<br>16 A AC-23A Ue: 690 V |

|  |   |
|--|---|
| [Ith] conventional free air thermal current  | 16 A 131 °F (55 °C)   |
| [Ithe] conventional enclosed thermal current | 16 A  |
| Making capacity                              | 24 A 690 V AC-21A<br>48 A 690 V AC-22A<br>160 A 690 V AC-23A  |
| Breaking capacity                            | 24 A 690 V AC-21A)<br>48 A 690 V AC-22A)<br>128 A 690 V AC-23A)   |
| Product compatibility                        | Fuse RK5 30 A maximum: 5 kA at 600 V AC   |
| Rated conditional short-circuit current      | 50 KA 400 V 16 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 colour                                | Black   |
| Handle front plate colour                    | Grey  |
| Rotary handle padlocking                     | 1 padlock 0.16 in (4 mm)  |
| Marking                                      | 0 - 1   |
| Mechanical durability                        | 100000 Cycles   |
| Electrical durability                        | 100000 Cycles AC-21A  |
| AWG gauge                                    | AWG 18...AWG 6 copper   |
| Connections - terminals                      | Power circuit screw clamp terminals 0.02 in <sup>2</sup> (10 mm <sup>2</sup> ) solid<br>Power circuit screw clamp terminals 0.02 in <sup>2</sup> (16 mm <sup>2</sup> ) 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)   |
| Net Weight                                   | 0.30 Lb(US) (0.135 kg)  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | UL 508<br>CSA C22.2 No 14<br>IEC 60947-3   |
| Product Certifications                | CULus<br>GL  |
| IP 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  |
| Compatibility code                    | VLS  |

## Ordering and shipping details

|                   |                                     |
|-------------------|-------------------------------------|
| Category          | 21734-TESYS VLS DISCONNECT SWITCHES |
| Discount Schedule | CP1                                 |
| GTIN              | 3606481156433                       |
| Returnability     | Yes                                 |
| Country of origin | IT                                  |

## 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             | 5.93 Oz (168.0 g) |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           | <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information | <a href="#">Yes</a>                           |

Product Life Status : **Commercialised**