# Product data sheet
## Characteristics

# VLS1P100D2S
## Disconnect switch, TeSys VLS, additional pole, 100A, for 100A switch, size 2, door mount

Product availability: Stock - Normally stocked in distribution facility

Price*: 36.43 USD



## Main

| | |
|---|---|
| Range | TeSys |
| Device short name | VLS1P |
| Product or Component Type | Additional pole |
| Performance level | High performance |
| Poles description | 1P |
| Contacts type and composition | 1 NO |
| Contact operation | Simultaneous |
| Range compatibility | TeSys (TeSys VARIO LS) VLS3P |
| Network type | AC |
| Network Frequency | 50/60 Hz |
| Suitability for isolation | Yes |

## Complementary

| | |
|---|---|
| Mounting Location | Left<br>Right |
| Mounting Support | Door |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 KV |
| [Ith] conventional free air thermal current | 100 A 131 °F (55 °C) |
| [Ithe] conventional enclosed thermal current | 100 A |
| [Ie] rated operational current | 100 A Ue: 600 V UL98<br>100 A AC-21A Ue: 400 V<br>100 A AC-21A Ue: 500 V<br>100 A AC-21A Ue: 690 V<br>100 A AC-22A Ue: 400 V<br>100 A AC-22A Ue: 500 V<br>100 A AC-22A Ue: 690 V<br>100 A AC-23A Ue: 400 V<br>80 A AC-23A Ue: 500 V<br>47 A AC-23A Ue: 690 V |
| Rated operational power in W | 55 KW 400 V AC-23A)<br>45 KW 500 V AC-23A)<br>45 KW 690 V AC-23A) |
| Intermittent duty class | Class 120 - 60 % |

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. *Prices are indicative

| | |
|---|---|
| Making capacity | 150 A 690 V AC-21A<br>300 A 690 V AC-22A<br>1000 A 690 V AC-23A |
| [Icm] rated short-circuit making capacity | 3550 A 690 V |
| [Icw] rated short-time withstand current | 2500 A 690 V 1 s |
| Rated conditional short-circuit current | 50 KA 400 V 100 A gG |
| Breaking capacity | 150 A 690 V AC-21A)<br>300 A 690 V AC-22A)<br>800 A 690 V AC-23A) |
| Mechanical durability | 30000 Cycles |
| Electrical durability | 30000 Cycles AC-21 |
| Connections - terminals | Power circuit screw clamp terminals 0.08 in² (50 mm²) solid<br>Power circuit screw clamp terminals 0.11 in² (70 mm²) flexible - without cable end |
| Tightening torque | Power circuit 44.25…53.10 lbf.in (5…6 N.m) screw clamp terminals |
| Height | 3.94 In (100 mm) |
| Width | 0.91 In (23 mm) |
| Depth | 1.91 In (48.6 mm) |
| Net Weight | 0.24 Lb(US) (0.11 kg) |
| Color | Gray |

## Environment

| | |
|---|---|
| Standards | UL98<br>CSA C22.2 No 4<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 |

## Ordering and shipping details

| | |
|---|---|
| Category | 21734-TESYS VLS DISCONNECT SWITCHES |
| Discount Schedule | CP1 |
| GTIN | 3606481156679 |
| Returnability | Yes |
| Country of origin | IT |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.50 In (6.35 cm) |
| Package 1 Width | 4.50 In (11.43 cm) |
| Package 1 Length | 3.00 In (7.62 cm) |
| Package 1 Weight | 4.64 Oz (131.543 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 36 |
| Package 2 Height | 11.81 In (30 cm) |
| Package 2 Width | 11.81 In (30 cm) |
| Package 2 Length | 15.75 In (40 cm) |
| Package 2 Weight | 12.13 Lb(US) (5.501 kg) |

## Offer Sustainability

| | |
|---|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov |
| REACh Regulation | REACh Declaration |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |

Product Life Status : Commercialised