

Product data sheet

Specifications



Disconnect switch, TeSys VLS, additional pole, 100A, for 100A switch, size 2, DIN rail

VLS1P100R2S

Product availability: Stock - Normally stocked in distribution facility

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 | Right Left |
| Mounting Support | DIN rail |
| [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 (at 131 °F (55 °C)) |
| [Ithe] conventional enclosed thermal current | 100 A |
| [Ie] rated operational current | 100 A Ue: 600 V UL98 100 A AC-21A Ue: 400 V 100 A AC-21A Ue: 500 V 100 A AC-21A Ue: 690 V 100 A AC-22A Ue: 400 V 100 A AC-22A Ue: 500 V 100 A AC-22A Ue: 690 V 100 A AC-23A Ue: 400 V 80 A AC-23A Ue: 500 V 47 A AC-23A Ue: 690 V |
| Rated operational power in W | 55 kW 400 V AC-23A) 45 kW 500 V AC-23A) 45 kW 690 V AC-23A) |
| Intermittent duty class | Class 120 - 60 % |
| Making capacity (I Rms) | 150 A 690 V AC-21A 300 A 690 V AC-22A 1000 A 690 V AC-23A |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|---|--|
| [Icm] rated short-circuit making capacity | 3550 A 690 V |
| [Icw] rated short-time withstand Rms 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) 300 A 690 V AC-22A) 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 in ² (50 mm ²) solid Power circuit screw clamp terminals 0.1 in ² (70 mm ²) flexible - without cable end |
| Tightening torque | Power circuit 44.3...53.1 lbf.in (5...6 N.m) screw clamp terminals |
| Height | 3.9 in (100 mm) |
| Width | 0.9 in (23 mm) |
| Depth | 1.7 in (43.9 mm) |
| Net Weight | 0.24 lb(US) (0.11 kg) |
| color | Gray |

Environment

| | |
|--|--|
| Standards | UL98 CSA C22.2 No 4 IEC 60947-3 |
| Product Certifications | cULus GL |
| IP 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 |

Ordering and shipping details

| | |
|--------------------------|---------------|
| Category | US10CP121734 |
| Discount Schedule | 0CP1 |
| GTIN | 3606481156624 |
| Returnability | Yes |
| Country of origin | IT |

Packing Units

| | |
|-------------------------------|----------------------|
| Unit Type of Package 1 | PCE |
| Nbr. of units in pkg. | 1 |
| Package 1 Height | 2.48 in (6.300 cm) |
| Package 1 Width | 2.76 in (7.000 cm) |
| Package 1 Length | 4.41 in (11.200 cm) |
| Package weight(Lbs) | 4.586 oz (130.000 g) |
| Unit Type of Package 2 | S03 |

| | |
|-------------------------------------|--------------------------|
| Number of Units in Package 2 | 36 |
| 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 | 11.444 lb(US) (5.191 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 | No |
| EU RoHS Directive | Compliant |
| 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 |

Use Again

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