


# Product data sheet

Specifications



## Disconnect switch, TeSys VLS, additional pole, 80A, for 80A switch, size 2, DIN rail

VLS1P080R2S

 **Discontinued on:** Dec 18, 2023

 **Discontinued**

**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	80 A (at 131 °F (55 °C))
[Ithe] Conventional Enclosed Thermal Current	80 A
[Ie] Rated Operational Current	100 A Ue: 600 V UL98 80 A AC-21A Ue: 400 V 80 A AC-21A Ue: 500 V 80 A AC-21A Ue: 690 V 80 A AC-22A Ue: 400 V 80 A AC-22A Ue: 500 V 80 A AC-22A Ue: 690 V 80 A AC-23A Ue: 400 V 63 A AC-23A Ue: 500 V 47 A AC-23A Ue: 690 V
Rated Operational Power In W	45 kW 400 V AC-23A) 45 kW 500 V AC-23A) 45 kW 690 V AC-23A)
Intermittent Duty Class	Class 120 - 60 %

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

Disclaimer: 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

Making Capacity ( I Rms)	120 A 690 V AC-21A 240 A 690 V AC-22A 800 A 690 V AC-23A
[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 80 A gG
Breaking Capacity	120 A 690 V AC-21A) 240 A 690 V AC-22A) 640 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 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	1.73 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	3606481156617
Returnability	No
Country Of Origin	IT

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.00 in (7.62 cm)
Package 1 Width	4.50 in (11.43 cm)
Package 1 Length	3.00 in (7.62 cm)

Package 1 Weight	0.29 lb(US) (0.13 kg)
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	11.41 lb(US) (5.177 kg)

## Sustainability





**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## Well-being performance

	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes
Reach Regulation	<a href="#">REACH Declaration</a>	
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>	
China Rohs Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)	
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 <a href="#">www.P65Warnings.ca.gov</a>	