

# Product data sheet

Specifications



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

VLS1P100R2S

### 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
[Icm] rated short-circuit making capacity	3550 A 690 V

<b>[I<sub>cw</sub>] rated short-time withstand Rms current</b>	2500 A 690 V 1 s
<b>Rated conditional short-circuit current</b>	50 kA 400 V 100 A gG
<b>Breaking capacity</b>	150 A 690 V AC-21A) 300 A 690 V AC-22A) 800 A 690 V AC-23A)
<b>Mechanical durability</b>	30000 cycles
<b>Electrical durability</b>	30000 cycles AC-21
<b>Connections - terminals</b>	Power circuit screw clamp terminals 0.08 in <sup>2</sup> (50 mm <sup>2</sup> ) solid Power circuit screw clamp terminals 0.1 in <sup>2</sup> (70 mm <sup>2</sup> ) flexible - without cable end
<b>Tightening torque</b>	Power circuit 44.3...53.1 lbf.in (5...6 N.m) screw clamp terminals
<b>Height</b>	3.9 in (100 mm)
<b>Width</b>	0.9 in (23 mm)
<b>Depth</b>	1.7 in (43.9 mm)
<b>Net weight</b>	0.24 lb(US) (0.11 kg)
<b>Colour</b>	Grey

## Environment

<b>Standards</b>	UL98 CSA C22.2 No 4 IEC 60947-3
<b>Product certifications</b>	cULus GL
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Mechanical robustness</b>	Vibrations 2...100 Hz Fc 0.7 g) IEC 60068-2-6 Shocks 11 ms Ea 15 gn) IEC 60068-2-27
<b>Ambient air temperature for operation</b>	-13...131 °F (-25...55 °C)
<b>Fire resistance</b>	1760 °F (960 °C) IEC 60695-2-11

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.48 in (6.300 cm)
<b>Package 1 Width</b>	2.76 in (7.000 cm)
<b>Package 1 Length</b>	4.41 in (11.200 cm)
<b>Package 1 Weight</b>	4.586 oz (130.000 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	36
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	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

 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Compliant

### Use Again

 <b>Repack and remanufacture</b>	
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins