

Product data sheet

Specifications



Disconnect switch, TeSys VLS,
additional pole, 40A, for 16A to 40A
switch, size 1, DIN rail

VLS1P040R1S

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 Right
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	40 A (at 131 °F (55 °C))
[Ithe] conventional enclosed thermal current	40 A
[Ie] rated operational current	40 A Ue: 600 V UL 508 40 A AC-21A Ue: 400 V 40 A AC-21A Ue: 500 V 40 A AC-21A Ue: 690 V 40 A AC-22A Ue: 400 V 40 A AC-22A Ue: 500 V 40 A AC-22A Ue: 690 V 40 A AC-23A Ue: 400 V 25 A AC-23A Ue: 500 V 25 A AC-23A Ue: 690 V
Rated operational power in W	18.5 kW 400 V AC-23A) 18.5 kW 500 V AC-23A) 22 kW 690 V AC-23A)
Intermittent duty class	Class 120 - 60 %
Making capacity (I Rms)	60 A 690 V AC-21A 120 A 690 V AC-22A 400 A 690 V AC-23A
[Icm] rated short-circuit making capacity	1128 A 690 V

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

[Icw] rated short-time withstand Rms current	800 A 690 V 1 s
Rated conditional short-circuit current	50 kA 400 V 40 A gG
Breaking capacity	60 A 690 V AC-21A) 120 A 690 V AC-22A) 320 A 690 V AC-23A)
Mechanical durability	100000 cycles
Electrical durability	100000 cycles AC-21A
Connections - terminals	Power circuit screw clamp terminals 0.02 in² (10 mm²) solid Power circuit screw clamp terminals 0.02 in² (16 mm²) flexible - without cable end
Tightening torque	Power circuit 15.93...17.70 lbf.in (1.8...2 N.m) screw clamp terminals
Height	3.07 in (78 mm)
Width	0.5 in (12 mm)
Depth	1.7 in (43.6 mm)
net weight	0.09 lb(US) (0.04 kg)
Colour	Grey

Environment

Standards	UL 508 CSA C22.2 No 14 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.260 in (3.200 cm)
Package 1 Width	2.756 in (7.000 cm)
Package 1 Length	3.228 in (8.200 cm)
Package 1 Weight	1.517 oz (43.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	30
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	5.906 in (15.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	3.278 lb(US) (1.487 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-CO₂ products.

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

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[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	REACH Declaration	
Eu Rohs Directive	Compliant EU RoHS Declaration	
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)	