

# Product data sheet

Specifications



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

VLS1P040R1E

! To be discontinued on: 15 September 2023

! To be discontinued

## 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	Early make
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 131 °F (55 °C)
[Ithe] conventional enclosed thermal current	40 A
[Ie] rated operational current	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 40 A Ue: 600 V UL 508
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)

<b>Intermittent duty class</b>	Class 120 - 60 %
<b>Making capacity ( I Rms)</b>	60 A 690 V AC-21A 120 A 690 V AC-22A 400 A 690 V AC-23A
<b>[Icm] rated short-circuit making capacity</b>	1128 A 690 V
<b>[Icw] rated short-time withstand Rms current</b>	800 A 690 V 1 s
<b>Rated conditional short-circuit current</b>	50 kA 400 V 40 A gG
<b>Breaking capacity</b>	60 A 690 V AC-21A) 120 A 690 V AC-22A) 320 A 690 V AC-23A)
<b>Mechanical durability</b>	100000 cycles
<b>Electrical durability</b>	100000 cycles AC-21A
<b>Connections - terminals</b>	Power circuit screw clamp terminals 0.02 in <sup>2</sup> (10 mm <sup>2</sup> ) solid Power circuit screw clamp terminals 0.02 in <sup>2</sup> (16 mm <sup>2</sup> ) flexible - without cable end
<b>Tightening torque</b>	Power circuit 15.93...17.70 lbf.in (1.8...2 N.m) screw clamp terminals
<b>Height</b>	3.07 in (78 mm)
<b>Width</b>	0.47 in (12 mm)
<b>Depth</b>	1.72 in (43.6 mm)
<b>Product weight</b>	0.09 lb(US) (0.04 kg)
<b>Colour</b>	Grey

## Environment

<b>Standards</b>	UL 508 CSA C22.2 No 14 IEC 60947-3
<b>Product certifications</b>	cULus GL
<b>IP degree of protection</b>	IP20 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>	1.30 in (3.3 cm)
<b>Package 1 Width</b>	3.50 in (8.89 cm)
<b>Package 1 Length</b>	3.00 in (7.62 cm)
<b>Package 1 Weight</b>	0.11 lb(US) (0.05 kg)
<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	30
<b>Package 2 Height</b>	5.91 in (15 cm)
<b>Package 2 Width</b>	5.91 in (15 cm)
<b>Package 2 Length</b>	15.75 in (40 cm)
<b>Package 2 Weight</b>	3.34 lb(US) (1.515 kg)

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes

### Recommended replacement(s)