

Product data sheet

Specifications



TeSys VLS - additional pole - 125 A - DIN rail - early-make closing - size 2

VLS1P125R2E

! Discontinued on: 12 July 2021

! End-of-service on: 02 August 2021

! 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	125 A 131 °F (55 °C)
[Ithe] conventional enclosed thermal current	100 A
[Ie] rated operational current	47 A AC-23A Ue: 690 V 100 A Ue: 600 V UL98 125 A AC-21A Ue: 400 V 125 A AC-21A Ue: 500 V 125 A AC-21A Ue: 690 V 125 A AC-22A Ue: 400 V 125 A AC-22A Ue: 500 V 125 A AC-22A Ue: 690 V 125 A AC-23A Ue: 400 V 100 A AC-23A Ue: 500 V
Rated operational power in W	45 kW 500 V AC-23A) 45 kW 690 V AC-23A) 55 kW 400 V AC-23A)

Intermittent duty class	Class 120 - 60 %
Making capacity (I Rms)	187.5 A 690 V AC-21A 375 A 690 V AC-22A 1250 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 125 A gG
Breaking capacity	187.5 A 690 V AC-21A) 375 A 690 V AC-22A) 1000 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 0.11 in ² (70 mm ²) 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)
Product weight	0.24 lb(US) (0.11 kg)
Colour	Grey

Environment

Standards	UL98 IEC 60947-3 CSA C22.2 No 4
Product certifications	GL
IP degree of protection	IP20 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	2.48 in (6.3 cm)
Package 1 Width	2.76 in (7 cm)
Package 1 Length	4.38 in (11.13 cm)
Package 1 Weight	4.62 oz (131 g)

Offer Sustainability

REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration

RoHS exemption information Yes

Recommended replacement(s)