



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 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 131 °F (55 °C)
[Ithe] conventional enclosed thermal current	80 A
[Ie] rated operational current	63 A AC-23A Ue: 500 V 47 A AC-23A Ue: 690 V 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 100 A Ue: 600 V UL98
Rated operational power in W	45 KW 500 V AC-23A) 45 KW 690 V AC-23A) 45 kW 400 V AC-23A)
Intermittent duty class	Class 120 - 60 %
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 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
Maximum Height	3.94 in (100 mm)
Maximum Width	0.91 in (23 mm)
Maximum Depth	1.73 in (43.9 mm)

Net Weight	0.24 lb(US) (0.11 kg)
Color	Gray

Environment

Standards	CSA C22.2 No 4 UL98 IEC 60947-3
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

Ordering and shipping details

Category	21734 - TESYS VLS DISCONNECT SWITCHES
Discount Schedule	CP1
GTIN	00785901566434
Nbr. of units in pkg.	1
Package weight(Lbs)	0.29 lb(US) (0.13 kg)
Returnability	Yes
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.48 in (6.3 cm)
Package 1 width	2.76 in (7 cm)
Package 1 Length	4.45 in (11.3 cm)

Offer Sustainability

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