



## Main

Range	TeSys
Product name	TeSys VARIO LS
Device short name	VLS3P
Product or component type	Switch body
Performance level	High performance
Poles description	3P
Contacts type and composition	3 NO
Network type	AC
Network frequency	50/60 Hz

## Complementary

Mounting support	Door
[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 at 55 °C
[Ithe] conventional enclosed thermal current	80 A
[Ie] rated operational current	63 A (AC-23A) at 500 V 47 A (AC-23A) at 690 V 80 A (AC-21A) at 400 V 80 A (AC-21A) at 500 V 80 A (AC-21A) at 690 V 80 A (AC-22A) at 400 V 80 A (AC-22A) at 500 V 80 A (AC-22A) at 690 V 80 A (AC-23A) at 400 V 100 A at 600 V according to UL98
Rated operational power in W	45 kW at 500 V (AC-23A) 45 kW at 690 V (AC-23A) 45 kW at 400 V (AC-23A)

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.

Intermittent duty class	Class 120 - 60 %
Making capacity	120 A at 690 V] (AC-21A) 800 A at 690 V] (AC-23A) 240 A at 690 V] (AC-22A)
[Icm] rated short-circuit making capacity	3550 A at 690 V
[Icw] rated short-time withstand current	2500 A at 690 V during 1 s
Rated conditional short-circuit current	50 kA at 400 V - associated fuse 80 A gG
Breaking capacity	120 A at 690 V AC-21A 240 A at 690 V AC-22A 640 A at 690 V AC-23A
Mechanical durability	30000 cycles
Electrical durability	30000 cycles AC-21
Connections - terminals	Power circuit : screw clamp terminals cable 70 mm <sup>2</sup> - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals cable 50 mm <sup>2</sup> - cable stiffness: solid
Tightening torque	Power circuit : 5...6 N.m - on screw clamp terminals
Height	70 mm
Width	70 mm
Depth	100 mm
Product weight	0.365 kg
Colour	Grey

## Environment

Standards	IEC 60947-3 CSA C22.2 No 4 UL98
Product certifications	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	-25...55 °C
Fire resistance	960 °C conforming to IEC 60695-2-11

## Ordering and shipping details

Category	21734 - TESYS VLS DISCONNECT SWITCHES
Discount Schedule	CP1
GTIN	00785901566168
Nbr. of units in pkg.	1
Package weight(Lbs)	0.9699999999999997
Returnability	Y
Country of origin	IT