

# Product data sheet

## Characteristics

# VLS1P100R2S

Disconnect switch, TeSys VLS, additional pole, 100A, for 100A switch, size 2, DIN rail

Product availability: Stock - Normally stocked in distribution facility

Price\*: 50.20 USD



### 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	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	100 A 131 °F (55 °C)
[Ithe] conventional enclosed thermal current	100 A
[Ie] rated operational current	100 A Ue: 600 V UL98 100 A AC-21A Ue: 400 V 100 A AC-21A Ue: 500 V 100 A AC-21A Ue: 690 V 100 A AC-22A Ue: 400 V 100 A AC-22A Ue: 500 V 100 A AC-22A Ue: 690 V 100 A AC-23A Ue: 400 V 80 A AC-23A Ue: 500 V 47 A AC-23A Ue: 690 V
Rated operational power in W	55 KW 400 V AC-23A) 45 KW 500 V AC-23A) 45 KW 690 V AC-23A)
Intermittent duty class	Class 120 - 60 %

Making capacity	150 A 690 V AC-21A 300 A 690 V AC-22A 1000 A 690 V AC-23A
[Icm] rated short-circuit making capacity	3550 A 690 V
[Icw] rated short-time withstand current	2500 A 690 V 1 s
Rated conditional short-circuit current	50 KA 400 V 100 A gG
Breaking capacity	150 A 690 V AC-21A) 300 A 690 V AC-22A) 800 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 <sup>2</sup> (50 mm <sup>2</sup> ) solid Power circuit screw clamp terminals 0.11 in <sup>2</sup> (70 mm <sup>2</sup> ) 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)
Net Weight	0.24 Lb(US) (0.11 kg)
Color	Gray

## Environment

Standards	UL98 CSA C22.2 No 4 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

## Ordering and shipping details

Category	21734-TESYS VLS DISCONNECT SWITCHES
Discount Schedule	CP1
GTIN	3606481156624
Returnability	Yes
Country of origin	IT

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.52 In (6.400 cm)
Package 1 Width	2.76 In (7.000 cm)
Package 1 Length	4.41 In (11.200 cm)
Package 1 Weight	4.59 Oz (130.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	36
Package 2 Height	11.81 In (30.000 cm)
Package 2 Width	11.81 In (30.000 cm)
Package 2 Length	15.75 In (40.000 cm)
Package 2 Weight	10.78 Lb(US) (4.890 kg)

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
RECh Regulation	<a href="#">RECh Declaration</a>
RECh 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>
RoHS exemption information	<a href="#">Yes</a>

Product Life Status : **Commercialised**