

# VLS3P080R2

Disconnect switch, TeSys VLS, body switch, 80A, 40HP at 480VAC, UL98, three phase, 50kA SCCR, size 2, DIN rail mount



## Main

Range	TeSys
Product Name	TeSys VARIO LS
Device Short Name	VLS3P
Product Type	Switch body

## Complementary

Device Composition	Handle Switch
Mounting Support	Back DIN rail
Mounting Method	By clips back
Performance Level	High performance
Number of Poles	3P
Contact Type and Composition	3 NO
Color	Gray
[Ue] UL Rated Operational Voltage	600 V AC 50/60 Hz UL 508
[Ue] IEC Rated Operational Voltage	690 V AC 50/60 Hz
UL Maxium Horsepower Ratings	25 Hp 200/208 V AC 25 Hp 240 V AC 40 Hp 480 V AC 40 Hp 600 V AC 3 Hp 120 V AC 10 hp 240 V AC
IEC Rated Operational Power in W	45 KW 400 V AC-23A) 45 KW 500 V AC-23A) 45 kW 690 V AC-23A)
[Ie] Rated Operational Current	100 A Ue: 600 V UL98 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 63 A AC-23A Ue: 500 V 47 A AC-23A Ue: 690 V
[Ith] Conventional Free Air Thermal Current	80 A 131 °F (55 °C)
[Ithe] Conventional Enclosed Thermal Current	80 A
Making Capacity ( I Rms)	120 A 690 V AC-21A 240 A 690 V AC-22A 800 A 690 V AC-23A
Breaking Capacity	120 A 690 V AC-21A) 240 A 690 V AC-22A) 640 A 690 V AC-23A)
SCCR	Fuse J 100 A maximum: 50 kA at 600 V AC
Rated Conditional Short Circuit Current	50 kA 400 V 80 A gG
[Icm] Rated Short Circuit Making Capacity	3550 A 690 V

[Icw] Rated Short Time Withstand Current	2500 A 690 V 1 s
[Uimp] Rated Impulse Withstand Voltage	8 kV
Suitability for Isolation	Yes
Network Type	AC
Network Frequency	50/60 Hz
Intermittent Duty Class	Class 120 - 60 %
Control Type	Rotary handle
Rotary Handle Mounting Style	Direct
Handle Color	Black
Handle Front Plate Color	Grey
Rotary Handle Padlocking	1 padlock 0.16 in (4 mm)
Marking	0 - 1
Mechanical Durability	30000 cycles
Electrical Durability	30000 cycles AC-21
UL Wire Size	AWG 12...AWG 1 copper
IEC Terminal Connection	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	2.95 in (75 mm)
Width	2.76 in (70 mm)
Depth	3.94 in (100 mm)
Product Weight	0.80 lb(US) (0.365 kg)

## Environment

Standards	UL98 CSA C22.2 No 4 IEC 60947-3
Product Certifications	CULus GL
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
Compatibility Code	VLS

## Ordering and shipping details

Category	21734-TESYS VLS DISCONNECT SWITCHES
Discount Schedule	CP1
GTIN	3606481156488
Nbr. of units in pkg.	1
Package weight(Lbs)	14.50 oz (411.0 g)
Returnability	Yes
Country of origin	IT

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.15 in (8 cm)
Package 1 width	3.35 in (8.5 cm)
Package 1 Length	4.72 in (12 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Weight	26.16 lb(US) (11.864 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## 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
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>