Product datasheet

Specifications



Disconnect switch, TeSys VLS, body switch, 125A, 60HP at 480VAC, UL98, three phase, 50kA SCCR, size 2, DIN rail mount

Local distributor code:

407812396 VLS3P125R2

EAN Code: 3606481156501

Main

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

Complementary

Device Composition	Switch Handle
Mounting Support	Back: DIN rail
Mounting Method	By clips for back
Performance Level	High performance
Number of Poles	3P
Contact Type and Composition	3 NO
Color	Grey
[Ue] UL Rated Operational Voltage	600 V AC 50/60 Hz conforming to UL 508
[Ue] IEC Rated Operational Voltage	690 V AC 50/60 Hz
UL Maxium Horsepower Ratings	30 hp at 200/208 V AC 30 hp at 240 V AC 60 hp at 480 V AC 60 hp at 600 V AC 7.5 hp at 120 V AC 10 hp at 240 V AC
IEC Rated Operational Power in W	55 kW at 400 V (AC-23A) 45 kW at 500 V (AC-23A) 45 kW at 690 V (AC-23A)
[Ie] Rated Operational Current	100 A Ue: 600 V conforming to 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 47 A AC-23A Ue: 690 V
[Ith] Conventional Free Air Thermal Current	125 A (at 55 °C)
[Ithe] Conventional Enclosed Thermal Current	100 A
Making Capacity (I Rms)	187.5 A at 690 V AC-21A 375 A at 690 V AC-22A 1250 A at 690 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

Breaking Capacity	187.5 A at 690 V (AC-21A) 375 A at 690 V (AC-22A) 1000 A at 690 V (AC-23A)
SCCR	Circuit-breaker 250 A maximum: 100 kA at 480 V AC Fuse CC 200 A maximum: 100 kA at 480 V AC Fuse J 200 A maximum: 100 kA at 480 V AC Fuse T 200 A maximum: 100 kA at 480 V AC Fuse CC 100 A maximum: 50 kA at 600 V AC Fuse J 100 A maximum: 50 kA at 600 V AC Fuse T 100 A maximum: 50 kA at 600 V AC
Rated Conditional Short Circuit Current	50 kA at 400 V - associated fuse 125 A gG
[Icm] Rated Short Circuit Making Capacity	3550 A at 690 V
[Icw] Rated Short Time Withstand Current	2500 A at 690 V duration: 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 4 mm
Marking	0 - 1
Mechanical Durability	30000 cycles
Electrical Durability	30000 cycles AC-21
UL Wire Size	12 AWG...1 AWG copper
IEC Terminal Connection	Power circuit: screw clamp terminals50 mm^2 - solid Power circuit: screw clamp terminals70 mm^2 - flexible - without cable end
Tightening Torque	Power circuit: 5…6 N.m - on screw clamp terminals
Height	75 mm
Width	70 mm
Depth	100 mm
Product Weight	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) conforming to IEC 60068-2-6 Shocks 11 ms Ea (15 gn) conforming to IEC 60068-2-27
Ambient Air Temperature for Operation	-25…55 °C
Fire Resistance	960 °C conforming to IEC 60695-2-11

Compatibility Code	VLS

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.000 cm
Package 1 Width	8.500 cm
Package 1 Length	12.000 cm
Package 1 Weight	410.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	11.490 kg

Logistical informations

Country of origin	IT

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**

Use Again

Repack and remanufacture

Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**