Product data sheet
Characteristics

VLS3P016R1
Disconnect switch, TeSys VLS, body switch, 16A, 10HP at 480VAC, UL508, three phase, 5kA SCCR, size 1, DIN rail mount

Product availability: Stock - Normally stocked in distribution facility

Price*: 34.14 USD



Main

Range	TeSys
Product name	TeSys VARIO LS
Device short name	VLS3P
Product or Component Type	Switch body

Complementary

Device Composition	Handle Switch
Mounting support	Back DIN rail
Fixing mode	By clips back
Performance level	High performance
Poles description	3P
Contacts type and composition	3 NO
Color	Gray
[Ue] rated operational voltage	600 V AC 50/60 Hz UL 508
[Ue] rated operational voltage	690 V AC 50/60 Hz
Maximum Horse Power Rating	5 Hp 200/208 V AC 5 Hp 240 V AC 10 Hp 480 V AC 10 Hp 600 V AC 1 Hp 120 V AC 2 Hp 240 V AC
Rated operational power in W	7.5 KW 400 V AC-23A) 7.5 KW 500 V AC-23A) 11 KW 690 V AC-23A)
[Ie] rated operational current	16 A Ue: 600 V UL 508 16 A AC-21A Ue: 400 V 16 A AC-21A Ue: 500 V 16 A AC-21A Ue: 690 V 16 A AC-22A Ue: 400 V 16 A AC-22A Ue: 500 V 16 A AC-22A Ue: 690 V 16 A AC-23A Ue: 400 V 16 A AC-23A Ue: 500 V 16 A AC-23A Ue: 690 V

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[Ith] conventional free air thermal current	16 A 131 °F (55 °C)
[Ithe] conventional enclosed thermal current	16 A
Making capacity	24 A 690 V AC-21A 48 A 690 V AC-22A 160 A 690 V AC-23A
Breaking capacity	24 A 690 V AC-21A) 48 A 690 V AC-22A) 128 A 690 V AC-23A)
Product compatibility	Fuse RK5 30 A maximum: 5 kA at 600 V AC
Rated conditional short-circuit current	50 KA 400 V 16 A gG
[Icm] rated short-circuit making capacity	1128 A 690 V
[Icw] rated short-time withstand current	800 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 colour	Black
Handle front plate colour	Grey
Rotary handle padlocking	1 padlock 0.16 in (4 mm)
Marking	0 - 1
Mechanical durability	100000 Cycles
Electrical durability	100000 Cycles AC-21A
AWG gauge	AWG 18...AWG 6 copper
Connections - terminals	Power circuit screw clamp terminals 0.02 in² (10 mm²) solid Power circuit screw clamp terminals 0.02 in² (16 mm²) flexible - without cable end
Tightening torque	Power circuit 15.93…17.70 lbf.in (1.8…2 N.m) screw clamp terminals
Height	2.95 In (75 mm)
Width	1.42 In (36 mm)
Depth	3.07 In (78 mm)
Net Weight	0.30 Lb(US) (0.135 kg)

Environment

Standards	UL 508 CSA C22.2 No 14 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
Compatibility code	VLS

Ordering and shipping details

Category	21734-TESYS VLS DISCONNECT SWITCHES
Discount Schedule	CP1
GTIN	3606481156433
Returnability	Yes
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Package 1 Length	4.72 In (12.0 cm)
Number of Units in Package 1	1
Package 1 Width	3.35 In (8.5 cm)
Package 1 Height	3.15 In (8.0 cm)
Package 1 Weight	5.93 Oz (168.0 g)

Offer Sustainability

REACh Regulation	REACh Declaration
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

Product Life Status : Commercialised