

# Product data sheet

## Characteristics

# VLS3P080R2

TeSys VLS - Body switch disconnecter - 3 poles - 80 A - on DIN rail

Product availability : Stock - Normally stocked in distribution facility

Price\*\* : 125.51 USD



### 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
Control type	Rotary handle
Rotary handle mounting style	Direct
Handle colour	Black
Handle front plate colour	Grey
Suitability for isolation	Yes

### Complementary

Rotary handle padlocking	1 padlock 0.16 in (4 mm)
Marking	0 - 1
Mounting support	Back DIN rail
Fixing mode	By clips back
[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 131 °F (55 °C)
[Ithe] conventional enclosed thermal current	80 A
[Ie] rated operational current	63 A AC-23A Ue: 500 V 47 A AC-23A Ue: 690 V 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 100 A Ue: 600 V UL98
Rated operational power in W	45 kW 500 V AC-23A) 45 kW 690 V AC-23A) 45 kW 400 V AC-23A)
Intermittent duty class	Class 120 - 60 %
Making capacity ( I Rms)	120 A 690 V AC-21A 240 A 690 V AC-22A 800 A 690 V AC-23A
[Icm] rated short-circuit making capacity	3550 A 690 V
[Icw] rated short-time withstand Rms current	2500 A 690 V 1 s
Rated conditional short-circuit current	50 kA 400 V 80 A gG
Breaking capacity	120 A 690 V AC-21A) 240 A 690 V AC-22A) 640 A 690 V AC-23A)
Device composition	Handle Switch
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	2.95 in (75 mm)
Width	2.76 in (70 mm)
Depth	3.94 in (100 mm)
Net weight	0.80 lb(US) (0.365 kg)
Color	Grey

## Environment

Standards	CSA C22.2 No 4 UL98 IEC 60947-3
Product certifications	GL
IP degree of protection	IP20 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	00785901560500
Package weight(Lbs)	0.42 kg (0.92 lb(US))
Returnability	Yes
Country of origin	IT

## Offer Sustainability

REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes

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RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)

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