

Product data sheet

Specifications



surge arrester, Multi9 PRD1 75r, 4P, 277/480 V

M9L37480

Product availability: Stock - Normally stocked in distribution facility

Main

Range	Multi9
product name	Multi9 PRD1
Product or Component Type	Surge arrester
Device short name	PRD1 75r
Poles description	4P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Standards	UL 1449:ed. 4

Complementary

Surge arrester class type	Type 1
Surge arrester technology	MOV
Wiring configuration	5-wire
Nominal discharge current	Common mode 20 kA L/PE) Common mode 20 kA N/PE) Differential mode 20 kA L/N)
Maximum discharge current	75 kA
[Iimp] impulse current	75 kA
[Uc] maximum continuous operating voltage	Common mode 495 V AC L/PE Common mode 320 V AC L/N Differential mode 640 V AC L/L Common mode 175 V AC N/PE
Maximum [Up] voltage protection level	Common mode <1500 V L/PE Common mode <1000 V L/N Differential mode <2000 V L/L Common mode <600 V N/PE
Disconnecter device type	Associated circuit breaker 30 A C 10 kA
Short-circuit withstand	200 kA
Local signalling	Green mechanical indicator operating Red mechanical indicator end of life
Mounting Mode	Clip-on
Mounting Support	DIN rail
9 mm pitches	8
Height	3.6 in (91.7 mm)
Width	2.8 in (70 mm)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Depth	2.8 in (71.4 mm)
Net Weight	24.8 oz (703 g)
color	Gray RAL 7035)
Response Time	< 25 ns
Connections - terminals	Tunnel type terminal 0.009...0.05 in² (6...35 mm²) AWG 10...AWG 2) - rigid Tunnel type terminal 0.009...0.04 in² (6...25 mm²) AWG 10...AWG 4) - flexible Tunnel type terminal dry contacts) 0.0008...0.002 in² (0.5...1.5 mm²)
Wire stripping length	0.4 in (10 mm) for L/N connection 0.4 in (10 mm) for PE connection 0.2 in (6 mm) for dry contacts connection
Tightening torque	26.6 lbf.in (3 N.m) L/N 26.6 lbf.in (3 N.m) PE

Environment

IP degree of protection	NEMA 1 built-in:
Pollution degree	3
Relative humidity	0...95 %
Operating altitude	6561.68 ft (2000 m)
Ambient air temperature for operation	-13...140 °F (-25...60 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)

Ordering and shipping details

Category	US1DE1B08468
Discount Schedule	DE1B
GTIN	3606481586018
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.07 in (7.8 cm)
Package 1 Width	3.58 in (9.1 cm)
Package 1 Length	4.72 in (12.0 cm)
Package 1 Weight	18.4 oz (522.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	14.586 lb(US) (6.616 kg)

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	No
EU RoHS Directive	Compliant
SCIP Number	A9614fa2-07f8-47d1-a2fe-e27b32003d8d
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

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