



### 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

### Complementary

Surge arrester class type	Type 1
Surge arrester technology	MOV
Wiring configuration	5-wire
Nominal discharge current	Common mode 20 kA L/PE
Maximum discharge current	75 kA
[Iimp] impulse current	75 kA
[Uc] maximum continuous operating voltage	Common mode 175 V AC L/N Differential mode 350 V AC L/L Common mode 350 V AC L/PE Common mode 175 V AC N/PE Differential mode 450 V AC H/L Common mode 450 V AC H/PE Common mode 275 V AC H/N
Maximum [Up] voltage protection level	Common mode <1200 V L/PE Differential mode <600 V L/N Common mode <1200 V L/L Common mode <600 V N/PE Differential mode <1500 V H/L Common mode <1500 V H/PE Common mode <800 V H/N
Disconnecter device type	Associated circuit breaker 30 A C 14 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	3.61 in (91.7 mm)
Width	2.76 in (70 mm)
Depth	2.81 in (71.4 mm)
Net Weight	24.80 oz (703 g)
Color	Gray RAL 7035)
Response Time	< 25 ns
Connections - terminals	Tunnel type terminal 0.01...0.05 in <sup>2</sup> (6...35 mm <sup>2</sup> ) AWG 10...AWG 2) - rigid Tunnel type terminal 0.01...0.04 in <sup>2</sup> (6...25 mm <sup>2</sup> ) AWG 10...AWG 4) - flexible Tunnel type terminal dry contacts) 0.00...0.00 in <sup>2</sup> (0.5...1.5 mm <sup>2</sup> )
Wire stripping length	0.39 in (10 mm) for L/N connection 0.39 in (10 mm) for PE connection 0.24 in (6 mm) for dry contacts connection
Tightening torque	26.55 Lbf.in (3 N.m) L/N 26.55 lbf.in (3 N.m) PE

## Environment

Standards	UL 1449:ed. 4
IP degree of protection	Built-in NEMA 1
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	08468-SURGE PROTECTION OEM
Discount Schedule	DE1B
GTIN	3606481586056
Returnability	Yes

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.15 in (8.0 cm)
Package 1 Width	3.54 in (9.0 cm)
Package 1 Length	4.72 in (12.0 cm)
Package 1 Weight	18.17 oz (515.0 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	14.34 lb(US) (6.505 kg)

## 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
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.