



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) Common mode 20 kA N/PE) Differential mode 20 kA L/N)
Maximum discharge current	75 kA
[I _{imp}] impulse current	75 kA
[U _c] 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 [U _p] 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)
Depth	2.8 in (71.4 mm)
Net Weight	24.80 oz (703 g)
Color	Gray RAL 7035)
Response Time	< 25 ns
Connections - terminals	Tunnel type terminal 0.009...0.05 in ² (6...35 mm ²) AWG 10...AWG 2) - rigid Tunnel type terminal 0.009...0.04 in ² (6...25 mm ²) AWG 10...AWG 4) - flexible Tunnel type terminal dry contacts) 0.0008...0.002 in ² (0.5...1.5 mm ²)
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

Standards	UL 1449:ed. 4
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	3.6 in (9.1 cm)
Package 1 Length	4.7 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	5.9 in (15.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	14.586 lb(US) (6.616 kg)

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
Sustainable packaging	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.