

Product data sheet

Specifications



surge arrester, Multi9 PRD1 75r, 2P, 120/240 V

M9L12240

Main

Range	Multi9
Product name	Multi9 PRD1
product or component type	Surge arrester
Device short name	PRD1 75r
poles description	2P
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	3-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
Maximum [Up] voltage protection level	<600 V L/N <1200 V L/L
Disconnecter device type	Associated circuit breaker 30 A curve C 14 kA
Short-circuit withstand	200 kA
Local signalling	Green mechanical indicator for operating Red mechanical indicator for end of life
mounting mode	Clip-on
mounting support	DIN rail
9 mm pitches	4
Height	91.7 mm
Width	35 mm
Depth	71.4 mm
net weight	340 g
Colour	Grey (RAL 7035)
Response time	< 25 ns

Connections - terminals	Tunnel type terminal 6...35 mm ² (AWG 10...AWG 2) - rigid Tunnel type terminal 6...25 mm ² (AWG 10...AWG 4) - flexible Tunnel type terminal (dry contacts) 0.5...1.5 mm ²
Wire stripping length	10 mm for L/N connection 10 mm for PE connection 6 mm for dry contacts connection
Tightening torque	3 N.m L/N 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	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.300 cm
Package 1 Width	9.000 cm
Package 1 Length	11.800 cm
Package 1 Weight	276.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	26
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	7.536 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Sustainable Packaging

Resource performance

✓ Sustainable Packaging

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information Yes

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)
Pro-active China RoHS declaration (out of China RoHS legal scope)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins