

# Product data sheet

Specifications



## surge arrester, Multi9 PRD1 75r, 4P, 120/240 V

M9L17240

### 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 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	8
Height	91.7 mm
Width	70 mm
Depth	71.4 mm
Product weight	703 g
Colour	Grey (RAL 7035)
Response time	< 25 ns
Connections - terminals	Tunnel type terminal6...35 mm <sup>2</sup> (AWG 10...AWG 2) - rigid Tunnel type terminal6...25 mm <sup>2</sup> (AWG 10...AWG 4) - flexible Tunnel type terminal (dry contacts)0.5...1.5 mm <sup>2</sup>
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	8.0 cm
Package 1 Width	9.0 cm
Package 1 Length	12.0 cm
Package 1 Weight	515.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	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

---

<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
<b>RoHS exemption information</b>	Yes
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

---

**Recommended replacement(s)**