# Product data sheet

Specifications



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

M9L37480

## 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)<br>Common mode: 20 kA (N/PE)<br>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<br>Common mode: 320 V AC L/N<br>Differential mode: 640 V AC L/L<br>Common mode: 175 V AC N/PE |
| **Maximum [Up] voltage protection level** | Common mode <1500 V L/PE<br>Common mode <1000 V L/N<br>Differential mode <2000 V L/L<br>Common mode <600 V N/PE |
| **Disconnector device type** | Associated circuit breaker 30 A curve C 10 kA |
| **Short-circuit withstand** | 200 kA |
| **Local signalling** | Green mechanical indicator for operating<br>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 |

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

| | |
|---|---|
| **net weight** | 703 g |
| **Colour** | Grey (RAL 7035) |
| **Response time** | < 25 ns |
| **Connections - terminals** | Tunnel type terminal6…35 mm² (AWG 10...AWG 2) - rigid<br>Tunnel type terminal6…25 mm² (AWG 10...AWG 4) - flexible<br>Tunnel type terminal (dry contacts)0.5…1.5 mm² |
| **Wire stripping length** | 10 mm for L/N connection<br>10 mm for PE connection<br>6 mm for dry contacts connection |
| **Tightening torque** | 3 N.m L/N<br>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** | 7.8 cm |
| **Package 1 Width** | 9.1 cm |
| **Package 1 Length** | 12.0 cm |
| **Package 1 Weight** | 522.0 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** | 6.616 kg |

## Sustainability

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

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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<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration<br>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 |