

# 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          |
| Disconnecter 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   |
| 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 |

## Offer Sustainability

|                        |   |
|------------------------|---|
| REACH Regulation       | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC     | Yes   |
| EU RoHS Directive      | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free | Yes   |
| Mercury free           | Yes   |
| China RoHS Regulation  | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |

|                            |     |
|----------------------------|-----|
| 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 |
|------|---|

Recommended replacement(s)