

Product data sheet

Specifications



surge arrester, Multi9 PRD1 75r, 4P, 240/480 V

M9L27480

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 |
| Standards | UL 1449:ed. 4 |

Complementary

| | |
|---|--|
| Surge arrester class type | Type 1 |
| Surge arrester technology | MOV |
| Wiring configuration | 5-wire |
| Nominal discharge current | Common mode: 10 kA (L/PE) |
| Maximum discharge current | 75 kA |
| [Iimp] impulse current | 75 kA |
| [Uc] maximum continuous operating voltage | Common mode: 275 V AC L/N Differential mode: 550 V AC L/L Common mode: 450 V AC L/PE Common mode: 175 V AC N/PE Differential mode: 825 V AC H/L Common mode: 725 V AC H/PE Common mode: 550 V AC H/N |
| Maximum [Up] voltage protection level | Common mode <1500 V L/PE Differential mode <800 V L/N Common mode <1500 V L/L Common mode <600 V N/PE Differential mode <2500 V H/L Common mode <2000 V H/PE Common mode <1500 V H/N |
| Disconnector device type | Associated circuit breaker 30 A curve C 10 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 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

| | |
|---------------------------------------|------------------|
| 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 | 526.0 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 | 6.646 kg |



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances

| | |
|--|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant |
| SCIP Number | A9614fa2-07f8-47d1-a2fe-e27b32003d8d |
| REACH Regulation | REACH Declaration |
| California proposition 65 | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Use Again

Repack and remanufacture

| | |
|---------------------------------|---|
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |