

# Product data sheet

Specifications



surge arrester, Multi9 PRD1 75r, 4P, 400/690 V

M9L57690

Product availability: Stock - Normally stocked in distribution facility

## 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)<br>Common mode 20 kA N/PE)<br>Differential mode 10 kA L/N)                                    |
| Maximum discharge current                 | 75 kA                                                                                                                 |
| [Iimp] impulse current                    | 75 kA                                                                                                                 |
| [Uc] maximum continuous operating voltage | Common mode 870 V AC L/PE<br>Common mode 550 V AC L/N<br>Differential mode 1100 V AC L/L<br>Common mode 320 V AC N/PE |
| Maximum [Up] voltage protection level     | Common mode <2500 V L/PE<br>Common mode <1500 V L/N<br>Differential mode <3000 V L/L<br>Common mode <1000 V N/PE      |
| Disconnecter device type                  | Associated circuit breaker                                                                                            |
| Short-circuit withstand                   | 200 kA                                                                                                                |
| Local signalling                          | Green mechanical indicator operating<br>Red mechanical indicator end of life                                          |
| Mounting Mode                             | Clip-on                                                                                                               |
| Mounting Support                          | DIN rail                                                                                                              |
| 9 mm pitches                              | 8                                                                                                                     |
| Height                                    | 3.6 in (91.7 mm)                                                                                                      |
| Width                                     | 2.8 in (70 mm)                                                                                                        |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                         |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Depth                   | 2.8 in (71.4 mm)                                                                                                                                                                                                                     |
| Net Weight              | 24.8 oz (703 g)                                                                                                                                                                                                                      |
| color                   | Gray RAL 7035)                                                                                                                                                                                                                       |
| Response Time           | < 25 ns                                                                                                                                                                                                                              |
| Connections - terminals | Tunnel type terminal 0.009...0.05 in² (6...35 mm²) AWG 10...AWG 2) - rigid<br>Tunnel type terminal 0.009...0.04 in² (6...25 mm²) AWG 10...AWG 4) - flexible<br>Tunnel type terminal dry contacts) 0.0008...0.002 in² (0.5...1.5 mm²) |
| Wire stripping length   | 0.4 in (10 mm) for L/N connection<br>0.4 in (10 mm) for PE connection<br>0.2 in (6 mm) for dry contacts connection                                                                                                                   |
| Tightening torque       | 26.6 lbf.in (3 N.m) L/N<br>26.6 lbf.in (3 N.m) PE                                                                                                                                                                                    |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| IP degree of protection               | NEMA 1 built-in:           |
| Pollution degree                      | 3                          |
| Relative humidity                     | 0...95 %                   |
| Operating altitude                    | 6561.68 ft (2000 m)        |
| Ambient air temperature for operation | -13...140 °F (-25...60 °C) |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C) |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US1DE1B08468  |
| Discount Schedule | DE1B          |
| GTIN              | 3606481586032 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 3.15 in (8.0 cm)       |
| Package 1 Width              | 3.54 in (9.0 cm)       |
| Package 1 Length             | 4.72 in (12.0 cm)      |
| Package 1 Weight             | 19.8 oz (560.0 g)      |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 12                     |
| Package 2 Height             | 5.91 in (15.0 cm)      |
| Package 2 Width              | 11.81 in (30.0 cm)     |
| Package 2 Length             | 15.75 in (40.0 cm)     |
| Package 2 Weight             | 15.59 lb(US) (7.07 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                                                                                                                                                                                                                                                                                                                                 |
| <a href="#">EU RoHS Directive</a>                                                                          | Compliant                                                                                                                                                                                                                                                                                                                          |
| SCIP Number                                                                                                | A9614fa2-07f8-47d1-a2fe-e27b32003d8d                                                                                                                                                                                                                                                                                               |
| REACH Regulation                                                                                           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                  |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Take-back                                                                                                    | No                                                                                                                                                                                                               |
| WEEE                                                                                                         |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |