

Product data sheet

Specifications



surge arrester, Multi9 PRD1 75r, 3P, 400/690 V

M9L53690

Main

Range	Multi9
Product name	Multi9 PRD1
Product or component type	Surge arrester
Device short name	PRD1 75r
Poles description	3P
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	4-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: 550 V AC L/N Differential mode: 1100 V AC L/L
Maximum [Up] voltage protection level	<1500 V L/N <3000 V L/L
Disconnecter device type	Associated circuit breaker
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	6
Height	91.7 mm
Width	52.5 mm
Depth	71.4 mm
Product weight	522 g
Colour	Grey (RAL 7035)

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

Response time	< 25 ns
Connections - terminals	Tunnel type terminal6...35 mm² (AWG 10...AWG 2) - rigid Tunnel type terminal6...25 mm² (AWG 10...AWG 4) - flexible Tunnel type terminal (dry contacts)0.5...1.5 mm²
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	6.300 cm
Package 1 Width	9.100 cm
Package 1 Length	11.700 cm
Package 1 Weight	441.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	7.399 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