

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: 10 kA (L/PE)
Maximum discharge current	75 kA
[limp] 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
Disconnecter 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
Net 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

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

Offer Sustainability

REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
China RoHS Regulation	 China RoHS Declaration
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