



Main

Range of product	Multi 9
Product name	Multi 9 PRD1
Product or component type	Surge arrester with pluggable cartridge
Device short name	PRD1 25r
Device application	Distribution
Poles description	3P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	IT 230 TN-C

Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	MOV Spark gap
[Ue] rated operational voltage	230/400 V AC (+/- 10 %) at 50/60 Hz
[In] nominal discharge current	Common mode: 25 kA (L/PE)
[Imax] maximum discharge current	Common mode: 40 kA L/PE
[Iimp] impulse current	Common mode: 25 kA L/PE 12.5 A.s
[Uc] maximum continuous operating voltage	Common mode: 350 V L/PE
Maximum [Up] voltage protection level	Common mode <1.5 kV type 2 L/PE
[Ut] temporary overvoltage	1200 V N/PE 200 ms withstand 415 V L/N 5 s withstand 440 V L/N 7200 s safe failure mode
[If] follow current	25 KA differential mode L/N 3 KA differential mode L/N 100 A common mode N/PE
Disconnecter device type	Associated fuse gG 315 A standard Associated circuit breaker Compact NSX100B 100 A curve C - Icu 10 kA Associated circuit breaker Compact NSX100B 100 A curve C - Icu 15 kA Associated circuit breaker Compact NSX100B 100 A curve C - Icu 25 kA
[Iscrr] short-circuit current rating	25 kA
Signalling circuit voltage	1 A/250 V AC 1 A/30 V DC
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	12
Height	90 mm
Width	108 mm
Depth	71 mm
Net weight	1010 g
Colour	Anthracite grey (RAL 7016)
Material	PBT (polybutylene terephthalate)
Response time	<= 25 ns
Connections - terminals	Tunnel type terminal (top or bottom) 10...35 mm ² rigid Tunnel type terminal (top or bottom) 10...25 mm ² flexible
Tightening torque	4.5 N.m

Environment

Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
Quality labels	KEMA-KEUR
IP degree of protection	IP40 on front face: conforming to IEC 60529 IP20 built-in: conforming to IEC 60529
IK degree of protection	IK05 conforming to IEC 62262
Relative humidity	5...95 %
Operating altitude	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.076 kg
Package 1 Height	10 cm
Package 1 width	14 cm
Package 1 Length	18 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	8.083 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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