



Main

Range of product	PRD1 Master
Range	Acti 9
Product name	Acti 9 PRD1 Master
Product or component type	Surge arrester with pluggable cartridge
Device short name	PRD1 Master
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	TN-C

Complementary

Surge arrester class type	Type 1
Surge arrester technology	Spark gap
[Ue] rated operational voltage	230 V (+/- 10 %) AC 50 Hz 400 V (+/- 10 %) AC 50 Hz
Nominal discharge current	Common mode : 25 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
[Up] voltage protection level	1.5 kV type 2 common mode L/PE
[Ut] temporary overvoltage	Withstand : 1200 V N/PE for 200 ms Withstand : 415 V L/N for 5 s Safe failure mode : 440 V L/N for 7200 ms
[If] follow current	100 A common mode N/PE 50 kA differential mode L/N
Disconnecter device type	Associated fuse gG 315 A according to standard Associated circuit breaker Compact NSX100F 100 A curve C - Icu 36 kA Associated circuit breaker Compact NSX100N 100 A curve C - Icu 50 kA
Short-circuit withstand	50 kA
Local signalling	Flag color: white/red
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
Product weight	1175 g
Colour	Anthracite grey (RAL 7016)
Material	PBT (polybutylene terephthalate)
Response time	< 100 ns
Connections - terminals	Tunnel type terminal, top or bottom 10...35 mm ² cable(s) rigid Tunnel type terminal, top or bottom 10...25 mm ² cable(s) flexible
Tightening torque	4.5 N.m
Impulse current	25 kA
Compatibility code	PRD1_Master
Market segment	Small commercial

Environment

Standards	EN 61643-11 : 2012 IEC 61643-11 : 2011
Product certifications	CE
Quality labels	KEMA-KEUR
IP degree of protection	On front face : IP40 conforming to IEC 60529 Built-in : IP20 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

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0601 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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