



Main

Range	Acti 9
Product name	Acti 9 PRD1
Product or component type	Surge arrester with pluggable cartridge
Device short name	PRD1 35r
Device application	Distribution
Poles description	1P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	IT TN-C TN-S

Complementary

Surge arrester class type	Type 1
Surge arrester technology	Spark gap
[Ue] rated operational voltage	400/690 V AC(TN) 400 V AC(IT)
Nominal discharge current	Differential mode : 35 kA L/N Common mode : 35 kA L/PE
Maximum discharge current	Differential mode : 50 kA L/N
[Iimp] impulse current	Common mode : 35 kA L/PE 17.5 A.s Differential mode : 35 kA L/N
[Uc] maximum continuous operating voltage	Common mode : 440 V L/PE Differential mode : 440 V L/N
[Up] voltage protection level	2.5 kV type 1 common mode L/PE
[Ut] temporary overvoltage	Withstand : 580 V L/N for 5 s Withstand : 800 V N/PE for 7200 s Safe failure mode : 1640 V L/N for 0.2 s
[If] follow current	50 kA differential mode L/N
Disconnecter device type	Associated circuit breaker NSX 160B 160 A - Icu 10 kA Associated circuit breaker NSX 160B 160 A - Icu 15 kA Associated circuit breaker NSX 160B 160 A - Icu 25 kA Associated circuit breaker NSX160F 160 A - Icu 36 kA Associated circuit breaker NSX160N 160 A - Icu 50 kA

	Associated fuse gG 400 A
Short-circuit withstand	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	4
Height	99 mm
Width	36 mm
Depth	71 mm
Product weight	401 g
Colour	Anthracite grey (RAL 7016)
Response time	<= 100 ns
Residual current	<= 0.005 mA
Connections - terminals	Tunnel type terminal, top or bottom 10...25 mm ² cable(s) flexible Tunnel type terminal, top or bottom 16...35 mm ² cable(s) rigid
Tightening torque	4.5 N.m

Environment

Standards	EN 61643-11 : 2012 IEC 61643-11 : 2011
Product certifications	CE
Quality labels	NF
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...85 °C

Offer Sustainability

REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
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