

4N-POE1000

PoE Surge Protector 10/100/1000 Mbps



Product Overview

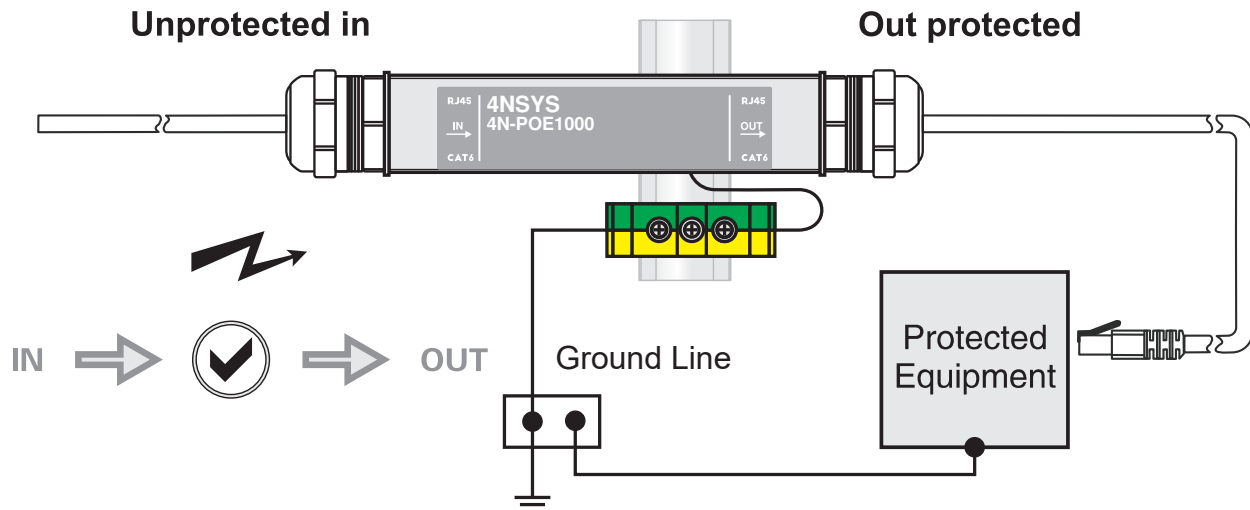
The 4N-POE1000 is designed to protect twisted pair network cabling systems that are compliant with CAT5, CAT6 and CAT6A for CCTV system cabling standards in outdoor applications where a weatherproof housing is required. The AI RJ45-CAT6 is rated at IP67, if installed according to the installation instructions. It can replace the use of indoor type products that would require an additional weatherproof housing

- Network Protocol IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3af/at

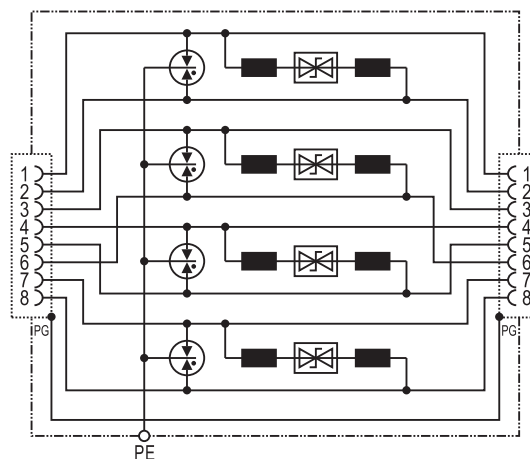
Specifications

Type	AI-POE1000
Normal voltage	48 VDC
Rated voltage (max. continuous voltage)	57 VDC
Max. continuous voltage (PoE)	57 VDC
Normal current	0.8 A
Normal discharge voltage (1.2/50-8/20, 12Ω)	1.5kV(line-line) 10kV(line-PG)
Maximum discharge voltage	10kV
Voltage protection level at I_n	$\leq 40V(\text{line-line}) \leq 90V(\text{line-PG})$
Voltage protection level at I_n (PoE)	$\leq 70V(\text{line-line})$
Transmission frequency	250 MHz
Insertion loss at 250MHz	$\leq 2\text{dB}$
Capactance	-40°C ~ +85°C
Data Rate	10/100/1000Mbps
Connection	RJ45 to RJ45 (input/output)
Protection rating	IP67
Let through voltage	<14 V (due to TOVs surge current)
Testing standard	FCC (class B) , CE (class B) , IEC61643-21 , EN61643-11:2012, IEEE62.41.1-2002,ITU-T Rec.K.12, IEC61000-4-5, IEEE802.3AT , ITU-T K21 ANSI / UL 1449 , CSA C22.2

Installation diagram



Connection



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