



GIGABIT POE OUTDOOR SURGE PROTECTOR

DDSPG SERIES



DATA BRIDGE
D Y N A M I C

SYNOPSIS

- DDSPG PoE IP67 T IS A SINGLE-PORT POE SURGE PROTECTION DEVICE ENGINEERED FOR OUTDOOR INSTALLATIONS.
- IT IS HOUSED IN AN IP67-RATED ALUMINUM ALLOY ENCLOSURE, ENSURING PROTECTION AGAINST DUST INGRESS AND TEMPORARY WATER IMMERSION, MAKING IT SUITABLE FOR HARSH ENVIRONMENTAL CONDITIONS.
- THE DEVICE SUPPORTS ALL 8 ETHERNET SIGNAL LINES AND PROVIDES COMPREHENSIVE SURGE PROTECTION FOR POE TRANSMISSION LINES.
- IT OFFERS A MAXIMUM COMMON-MODE SURGE PROTECTION RATING OF 10 KV (10/700 μ S WAVEFORM) AND A MAXIMUM DIFFERENTIAL-MODE SURGE PROTECTION RATING OF 6 KV (10/700 μ S WAVEFORM), ENSURING RELIABLE PROTECTION AGAINST TRANSIENT OVERVOLTAGE EVENTS.

FEATURES

- ENGINEERED FOR EXTERNAL INSTALLATIONS WITH A RUGGED IP67-RATED ENCLOSURE FOR PROTECTION AGAINST DUST AND WATER INGRESS.
- RELIABLE OPERATION FROM -40°C TO +65°C, SUITABLE FOR HARSH ENVIRONMENTAL CONDITIONS.
- SUPPORTS OPERATING VOLTAGE RANGE OF 44–57 VDC, COMPATIBLE WITH STANDARD POE APPLICATIONS.
- EQUIPPED WITH TWO RJ45 PORTS FOR SEAMLESS NETWORK INTEGRATION OVER CAT5E/CAT6 ETHERNET CABLES.
- ENSURES STABLE AND TIGHT ETHERNET CONNECTIONS FOR CONSISTENT NETWORK PERFORMANCE.
- DESIGNED WITH TWO MOUNTING HOLES FOR QUICK AND SECURE INSTALLATION.

TECHNICAL SPECIFICATIONS

Standard	IEEE802.3 10Base-T Ethernet	
	IEEE802.3u 100Base-Tx Fast Ethernet	
	IEEE802.3ab 1000Base-T Gigabit Ethernet	
	Support PoE wire with IEEE802.3af/at standards	
	Support 60W PoE++ standards	
Input and output	Operating Voltage	: 44-57 Vdc (Max 60Vdc)
	Maximum Operating Current	: 0.68A for 2 pairs
		: 1.36A for 4 pairs maximum 60W
	Power Pins	: 4/5(+), 7/8(-) and 3/6(+),1/2(-)
	Data speed	: 10/100/1000Mbps

PoE SURGE PROTECTION

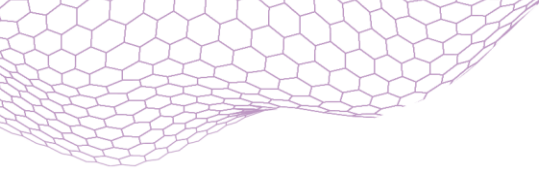
Protected Line	1,2,3,4,5,6,7,8
Common Mode Protection Level(10/700us)	10KV
Differential Mode Protection Level(10/700us)	6KV
Clamping Voltage (Line to GND)	300V
Clamping Voltage (Line to Line)	10V
Insertion Loss @10MHz/100MHz	-1db
Return Loss @10MHz/100MHz	-20db
Response Time	5ns

APPROVALS AND STANDARDS TESTED FOR

IEC61000-4-2	ESD ± 6 kV(contact), ± 8 kV(air)
IEC61000-4-3	RS 10V/m(80MHz~2GHz)
IEC61000-4-4	EFT Power Port: ± 2 kV; Data Port: ± 1 kV
IEC61000-4-5	Surge Power Port: ± 1 kV/DM, ± 2 kV/CM
IEC61000-4-6	CS 10V(150kHz~80MHz)
IEC60068-2-6	Vibration
IEC60068-2-27	Impact/Shock
IEC60068-2-32	Free Fall
FCC CFR47 Part 15, EN55024, EN55032	EMI

MECHANICAL

Dimension	209mm X 53mm X 37.5mm
IP Rated	IP67
Enclosure	Aluminum alloy
Mounting	Wall-mounted
Weight	380gm
Color	White



ENVIRONMENTAL

Operation Temperature	-40 to +65°C
Storage Temperature	-40 to +85°C
Operating Humidity	20 to 80% RH Non-condensing
Storage Humidity	10% to 95%, non-condensation
Operating Altitude	Up to 5000meters

ORDERING CODE

DDSPG PoE IP67 T

DDSPG	Databridge Dynamic 10/100/1000Mbps Surge Protector
PoE	Support af/at/bt
IP67	With IP67 Enclosure
T	Fixed

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