



DP Series Data/Signal Surge Protection Device

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The DP Series devices provide superior surge protection for data transmission, control, and signal line circuits. The DP Line has a multitude of model options to provide protection for up to 3 pairs or 6 wires of signal lines, plus optional Shield Protection, connected via the detachable terminal strips for ease of wiring and installation. The DP exclusive removable DIN Mounting Foot easily detaches providing a means of mounting to standard DIN Rail, a cabinet, plate or wall making the DP installation meet the requirements of almost any in field installation with ease.

Superior Features:

- **Multi-Stage Series Wired Surge Protection Device for protection of current loop and data/signal type circuits.**
- **25 Years Unlimited Free Replacement Warranty.**
- **UL94-5VA and UL94V-0 Dual Rated ABS Plastic Enclosure.**
- **Standard Dual Purpose Detachable Mounting System provides standard means for both DIN Rail and Surface Mounting Application.**
- **Standard Detachable Compression Box Terminals located at the input and output of the device handle wires sizes from 22-12 AWG.**
- **Dedicated Component All Mode Protection. L-L (Normal Mode) and each L-G (Common Mode).**

DP Product Model Number Configurator						
Model Family Designator	Nominal Operating Voltages	Maximum Data/Signal Rates	Number of Wire Protected	Standard DIN Dual Mounting System	Optional Shield to Ground Protection	Revision Code (Standard)
DP	##	X	#	DIN	X	- B
Standard Model Designator for Current Loop Protector	5 = 5V	A = 2 Mbps	2 = 2 Wires/1 Pair	Direct snap on to standard DIN Rail or Use Detachable Tab/Foot for Panel Mounting.	S	"-B" Standard for Product Revision Code
	12 = 12V	B = 10 Mbps	4 = 4 Wires/2 Pairs		Blank	
	24 = 24V	C = 100 Mbps	6 = 6 Wires/3 Pairs		Add "S" for Shield Protection, leave blank for no Shield	
	48 = 48V					
	140 = 140V					
	Other Voltages Available Upon Request					
Sample Model Number: DP24A6DINS-B is a DP Series Product, 24V, Up to 2 Mbps, 6 Conductor, DIN, Shield Protected, Rev B Designator.						

Table of Maximum Suggested Operating Limits, Data Rate & Additional Device Resistance

Nominal System Operating Voltage (Vnom)	DP##x#DIN(S)-B	Maximum Continuous Operating Voltage (MCOV) - (L-L & L-G)	Maximum Continuous Operating Current (MCOC)	Maximum Digital/Analog Data Rates &	
				2 Mbps/20 MHz: (x = A) 10 Mbps/100 MHz: (x = B)	100 Mbps/1 GHz: (x = C)
0 > Vnom < 6	DP5x#DIN(S)-B	7.5 Vpk	500 mA	5 Ohms per Line (10 Ohms per Pair/Loop)	0 Ohms per Line/Pair/Loop
6 > Vnom < 15	DP12x#DIN(S)-B	24 Vpk			
15 > Vnom < 33	DP24x#DIN(S)-B	33 Vpk			
33 > Vnom < 53	DP48x#DIN(S)-B	56 Vpk			
53 > Vnom < 140	DP140x#DIN(S)-B	140 Vpk			

Notes: The "##" designates (5, 12, 24, 48 or 140), the lower case "x" designates Data Rate (A, B or C), and the "#" designates the number of Lines Protected (2, 4 or 6).

