



PD Devices In-line Data Protectors are designed for business and industrial applications, these products provide protection for local area networks, CCTV/video equipment, computer serial communication interfaces and process control systems against the damaging effects of transient overvoltages caused by lightning, AC power systems and other electrically “noisy” sources.

Applications:

Applications include:

- Building-to-building serial communication.
- Long-range data acquisition and display systems. E.g. Sports venues.
- Plant and process control systems.
- Signalling and telemetry to remote sites.
- “Intelligent” stage lighting.
- Local area networks (LAN)
- Computer networks.
- Electronic cash registers (EPOS).
- Ethernet (10Base2, 10Base5 & 10BaseT),
- Cat 5, RS485, RS232 and RS422
- Closed circuit television (CCTV security).

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Specifications:

Protection Type	Cat 5e Ethernet	RS485	RS232 & RS422 Bi-polar
Connector Type	Modular RJ45	Screw Terminal 2 Wire	Screw Terminal 4 Wire
Nominal Working Voltage	≤4.0V	6.0V	15.0V
Max. Working Voltage	4.0V	7.5V	16.5V
Current Rating (Signal)	330mA	1.25A	1.25A
Clamping Voltage	25V/600V	11V	27V
Max. Surge Current	10kA	10kA	10kA
Line Resistance	1.0 Ω	1.0 Ω	1.0 Ω
Response Time	<10ns	<10ns	<10ns
Exposure Level	High	High	High
Operating Temperature Range	-25 to +70°C	-25 to +70°C	-25 to +70°C
Dimensions	L	100	100
	W	23	23
	H	50	50
Order Code	DBP/RJ45/100BT	DBP/2/06	DBP/4/15

Protection Type	4-20mA Loop	4-20mA 2-pair Loop	10Base2
Connector Type	Screw Terminal 2 Wire	Screw Terminal 4 Wire	BNC-Type Coaxial
Nominal Working Voltage	30.0V	30V	-2.05V
Max. Working Voltage	36.5V	36.5V	-4.5V
Current Rating (Signal)	1.25A	1.25A	330mA
Clamping Voltage	45V	45V	20V/325V
Max. Surge Current	10kA	10kA	10kA
Line Resistance	1.0 Ω	1.0 Ω	0.5 Ω
Response Time	<10ns	<10ns	<10ns
Exposure Level	High	High	High
Operating Temperature Range	-25 to +70°C	-25 to +70°C	-25 to +70°C
Dimensions	L	100	100
	W	23	23
	H	50	50
Order Code	DBP/2/30	DBP/4/30	DBP/BNC/10B2

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Protection Type	10Base5	IBM 3270™ CCTV & Video	CCTV & Video
Connector Type	N-Type Coaxial	BNC-Type Coaxial	Screw Terminal 2 Wire
Nominal Working Voltage	-2.05V	2.0V	2.0V
Max. Working Voltage	-4.5V	6.5V	6.5V
Current Rating (Signal)	330mA	330mA	330mA
Clamping Voltage	20V/325V	17V	17V
Max. Surge Current	10kA	10kA	10kA
Line Resistance	0.5 Ω	1.0 Ω	1.0 Ω
Response Time	<10ns	<10ns	<10ns
Exposure Level	High	High	High
Operating Temperature Range	-25 to +70°C	-25 to +70°C	-25 to +70°C
Dimensions	L	100	100
	W	23	23
	H	50	50
Order Code	DBP/N/10B5	DBP/BNC/CCTV	DBP/2/CCTV

- (1) 'Let through' voltage when 5kV (10/700μs) @ 125A surge waveform applied
 (2) 8/20μs surge current applied without failure of unit
 (3) BS6651:1999 Annex C - Category C exposure level capability

Standard Features:

- Rugged construction (grey moulded plastic).
- DIN rail mounting for modular installation.
- Screw terminal models provided with two part push in terminal connectors for ease of installation or replacement.
- Panel mounting screw holes for permanent installation.
- Earth stud provided for ease of multiple earthing of units.
- Low "let through" voltages.
- Fast response times.
- High surge handling capabilities.
- Negligible effect on normal line operation.
- Many models offer lower line resistance and higher line current capability than most other competitors' products.

If you cannot see the configuration or features that you need, please call our customer service department on +44 (0)1364 649248 to discuss your requirements.

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