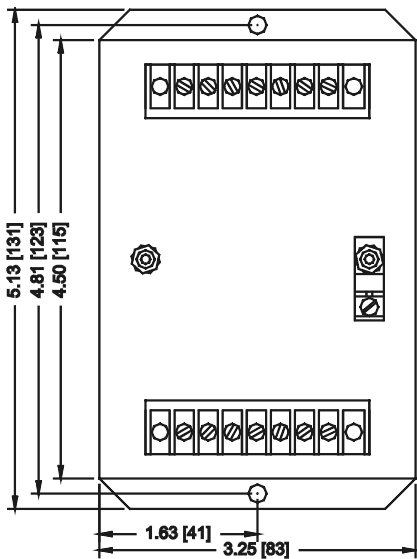
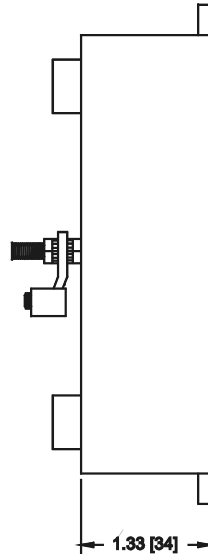




Data-Line Models



DIMENSIONS ARE IN INCHES[MM]



GENERAL SPECIFICATIONS

Description: Terminal strip connected Data-Line surge protective device, 10 kA peak surge current per pair

Application: 1, 2 or 3 pair data, signal and 4-20 mA current loop circuits, ISDN lines

Warranty: Five-Year Free Replacement

Manufacturer Qualifications: ISO 9001:1994 Quality System Certification BSI FM 30833

MECHANICAL SPECIFICATIONS

Enclosure: ABS Plastic UL94V-0

Connection: Wire clamping box terminals. Line(s) - #18-22 AWG (0.8-0.3 mm²). Ground - #6-12 AWG (13.3-3.3 mm²)

Weight: ≈ 1 lb (0.46 kg)

Operating Temperature: -40° F (-40° C) to +140° F (+60° C)

ELECTRICAL/PERFORMANCE SPECIFICATIONS

Circuit Design: Series connected, series protected, multi-stage hybrid circuitry providing Line-Line (paired), Line-Ground and Shield-Ground protection.

Capacitance: L-L, L-G 250pf; Shd-G 8nf

Data Rate: Up to 2.0 Mbps

Response Time: ≤1 nanosecond

Protection Modes: L-L (normal mode), L-G, Shd-G (common mode)

Maximum Continuous Operating Current: 560 mA

Frequency Range: DC – 20 MHz

Series Resistance: 5 ohms per line

Key Performance and Electrical Specifications						
Models	Maximum Continuous Operating Voltages (Vpk)	IEC 10 x 700 μS Impulse*			ANSI/IEEE C62.41-1991 Measured Limiting Voltage*	
		500 V 20 A	1 kV 40 A	2 kV 80 A	B3/C1 Impulse Wave 6 kV, 3 kA	C3 Impulse Wave 20 kV 10 kA
DxS5-2ML**	5 L-L	<12	<12	<12	30	50
	5 L-G	<12	<12	<12	50	30
	71 Shd-G	–	–	–	170	290
DxS15-2ML**	15 L-L	<25	<25	<25	30	40
	15 L-G	<25	<25	<25	50	50
	71 Shd-G	–	–	–	170	290
DxS33-2ML**	36 L-L	<50	<50	<50	60	70
	36 L-G	<50	<50	<50	70	90
	71 Shd-G	–	–	–	170	290
DxS53-2ML**	54 L-L	<75	<75	<75	90	120
	54 L-G	<75	<75	<75	90	150
	71 Shd-G	–	–	–	170	290
DxS140-2ML**	144 L-L	<160	<160	<160	250	200
	144 L-G	<160	<160	<160	250	300
	71 Shd-G	–	–	–	170	290

*Test environment: static, positive polarity. All voltages are peak (±10%), time base = 1 ms.

** "x" = 2 for 2 wire, 4 for 4 wire and 6 for 6 wire