

ULTRA-SLIM LIGHTNING SURGE PROTECTORS MD7 Series

UNMATCHED PERFORMANCE

- High-density mounting with 7-mm wide modules
- Excellent protection by multi-stage SPD
- Max. discharge current 20 kA (8/20 μ s)
- Floating mode for the shield to avoid ground loops
- DIN rail mounting / grounding
- Loop disconnect fuse (option)

M-RESTER SERIES

MD7



Only 7mm
Thin Profile!



MD7 SERIES LIGHTNING SURGE PROTECTORS

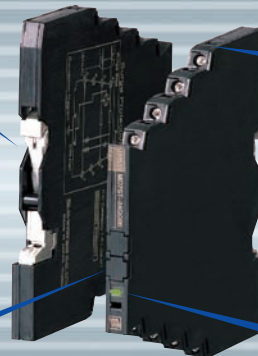
Ultra-slim Package, Unmatched Performance

Metal DIN rail adaptor
used for grounding

Independent shield
terminal

Loop disconnect fuse
(standard signal line)

Monitor LED
(power supply line)



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SURGE PROTECTORS FOR SIGNAL LINE

Function	4-20 mA loop		Thermocouple	RTD	Potentiometer
Model No.	MD7ST-24	MD7ST-60	MD7TC	MD7RB	MD7PM
Max. continuous operating voltage (Uc)	30V	70V	7.5V	±3V	7.5V
Voltage protection level (Up)	60V max.	115V max.	25V max.	±25V max.	25V max.
Max. discharge current (Imax)	20kA (8/20 μs), 1.0kA (10/350 μs)				
Shield terminal	Combinations of Floating and Grounding for the shield (Line to SHLD, Earth to SHLD) are selectable.				



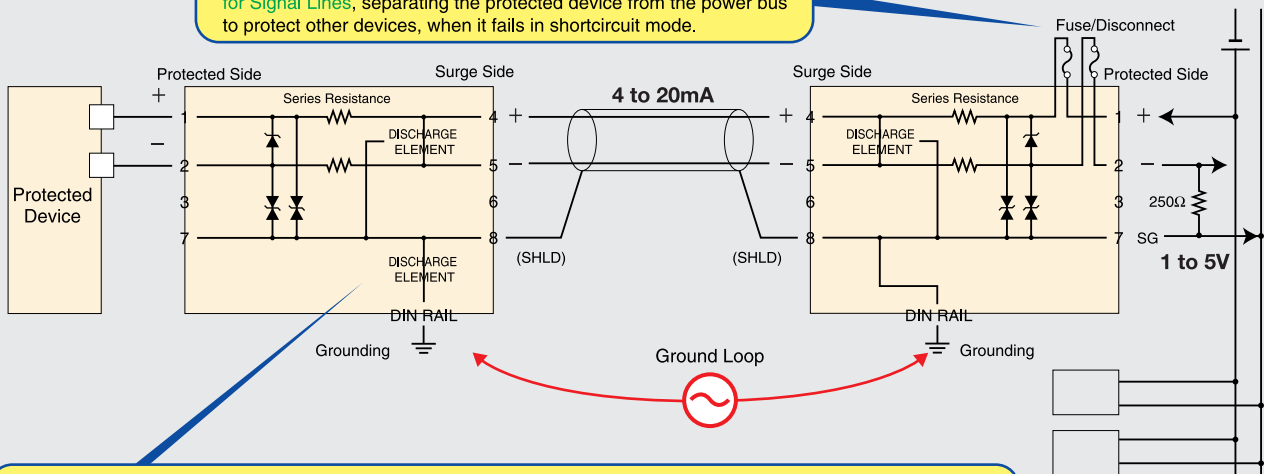
SURGE PROTECTORS FOR NETWORK, POWER SUPPLY LINE

Function	RS-422 / RS-485	PROFIBUS-PA	DC power supply (1A)	
Model No.	MD74R	MD7PA	MD7DP-12	MD7DP-12
Max. continuous operating voltage (Uc)	±5V	±32V	14V	27V
Voltage protection level (Up)	±25V max.	±60V max.	±150V max.	±170V max.
Max. discharge current (Imax)	20kA (8/20 μs), 1.0kA (10/350 μs)			
Shield terminal	Combinations of Floating and Grounding for the shield (Line to SHLD, Earth to SHLD) are selectable.			

FUNCTION & WIRING DIAGRAM

LOOP DISCONNECT FUSE

Loop Disconnect Fuse is optional for the Surge Protectors for Signal Lines, separating the protected device from the power bus to protect other devices, when it fails in shortcircuit mode.

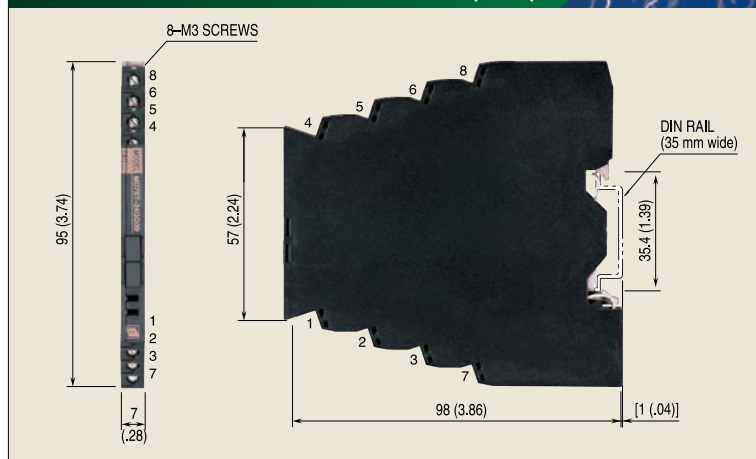


FLOATING SHIELD

The MD7 Series has an independent set of Shield Terminals. By adapting an independent shield terminal, the MD7's SHLD could be floating or grounding to suit user's applications. Floating Mode (Discharge element added between the shield and the ground) will be effective to prevent a ground loop.



EXTERNAL DIMENSIONS unit: mm (inch)



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