



Prosurge DM S2 data network arrester is applied in protection for 2 single wires of balanced interfaces with measuring and controlling system, providing coarse and fine protection, suitable for use in category location B, C (ANSI/IEEE C62.41) or directly at the upstream near the protected devices.

**Technical Features**

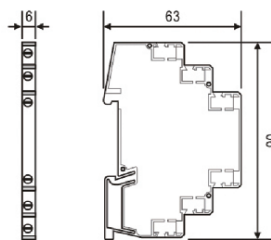
- Data network protector in according with UL497b, IEC61643-21:2012;
- 35mm Din-rail mounting design;
- Three-stage protection circuit;
- Compact size of 6.2mm to save much installation space;
- Limit the transients with gas discharge tubes and transzorb diodes;
- One-pair line protection



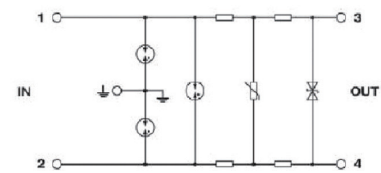
**6.2mm Width**

Model		DM-12/S2	DM-24/S2	DM-48/S2	DM-110/S2
Nominal Voltage	Un	12V	24V	48V	110V
Rated Voltage (max. continuous dc/ac)	Uc	14V/9.5V	33V/23V	55V/38.5V	170V/120V
Norminal Current	IL	0.5A			
Lightning Impulse Current (10/350µs) per line	Iimp	1kA			
Nominal Discharge Current (8/20µs) per line	In	5kA			
Nominal Discharge Current (8/20µs) Total	In	10kA			
Voltage Protection Level at In	line-line	≤25V	≤50V	≤100V	≤260V
Voltage Protection Level at In	line-PG	≤750V	≤750V	≤750V	≤750V
Voltage Protection Level at 1kV/µs	line-line	≤19V	≤45V	≤70V	≤230V
Voltage Protection Level at 1kV/µs	line-PG	≤650V	≤650V	≤650V	≤650V
Bandwith	line-line	fG	2.5MHz	6MHz	10MHz

• Dimension drawing



• Basic circuit diagram



Prosurge DM S4 Data network arrester provides protection for four single lines in the high-frequency bus systems or video transmissions, suitable for use in category location B, C (ANSI/IEEE C62.41) or directly at the upstream near the protected devices.

**Technical Features**

- Data network protector in according with UL497b, IEC61643-21:2012;
- 35mm Din-rail mounting design;
- Two-stage protection circuit;
- Compact size of 7mm to save much installation space;
- Limit the transients with gas discharge tubes and transzorb diodes;
- Two-pair line protection



**7mm Width**

Model		DM-05/S4	DM-12/S4	DM-24/S4	DM-32/S4	DM-48/S4	DM-110/S4
Nominal Voltage	Un	5V	12V	24V	32V	48V	110V
Rated Voltage (max. continuous dc/ac)	Uc	6V/4.2V	15V/10.6V	33V/23.3V	36V/29V	54V/38V	170V/120V
Norminal Current	IL	0.5A					
Lightning Impulse Current (10/350µs) per line	Iimp	1kA					
Nominal Discharge Current (8/20µs) per line	In	5kA					
Nominal Discharge Current (8/20µs) Total	In	20kA					
Voltage Protection Level at In	line-line	≤26V	≤40V	≤55V	≤75V	≤100V	≤400V
Voltage Protection Level at In	line-PG	≤26V	≤40V	≤55V	≤75V	≤100V	≤400V
Voltage Protection Level at 1kV/µs	line-line	≤11V	≤25V	≤48V	≤65V	≤75V	≤350V
Voltage Protection Level at 1kV/µs	line-PG	≤11V	≤25V	≤48V	≤65V	≤75V	≤350V
Bandwith	line-line	fG	100MHz				

• Dimension drawing



• Basic circuit diagram

