

Transient Voltage
Surge Suppressors By:

Data Unit

**TERMINAL BLOCK
MODULE SERIES**

Code: IN-10103621



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**Ideal for 4/20mA locations, loop detectors, fire alarm,
access and control locations, etc.**

The ST-DM series offers 10ka protection for 2 or 4 wire circuits on data circuits up to 100MHz. Including RS-232 and RS485 applications. Excellent clamping voltages on low level transient events. Low – 1 Ohm – impedance per line. Excellent 10 year replacement warranty.

Model No		ST-C12DM4	ST-C24DM4
Nominal voltage	U_N	12V	24V
Rated voltage (max. continuous d.c.voltage)	U_C	15V	33V
Rated voltage (max. continuous a.c.voltage)	U_C	10.6V	23.3V
Nominal current	I_L	1.0A	1.0A
Lightning impulse current (10/350) per line	I_{imp}	2A	2KA
Nominal discharge current (8/20) per line	I_n	5kA	5KA
Nominal discharge current (8/20) Total	I_n	10KA	10KA
Voltage protection level for I_{imp} line-line	U_P	$\leq 55V$	$\leq 55V$
Voltage protection level for I_{imp} line-PG	U_P	$\leq 50V$	$\leq 80V$
Voltage protection level at 1kV/ μs line-line	U_P	$\leq 36V$	$\leq 48V$
Voltage protection level at 1kV/ μs line-PG	U_P	$\leq 19V$	$\leq 48V$
Transmission frequency line-PG	f_G	100MHz	
Series impedance per line	R	1 Ω	
Capacitance line-line	C	$\leq 20pF$	
Capacitance line-PG	C	$\leq 25pF$	
Responsetime line-line	t_A	$\leq 1ns$	
Responsetime line-PG	t_A	$\leq 100ns$	
Operating temperature range		-40°C...+80°C	
Cross-sectional area		0.08mm ² - 4mm ² solid / 2.5mm ² flexible	
Mounting on		35mm DIN rail	
Enclosure material		Black thermoplastic, UL94-V0	
Test standards		IEC 61643-21	

