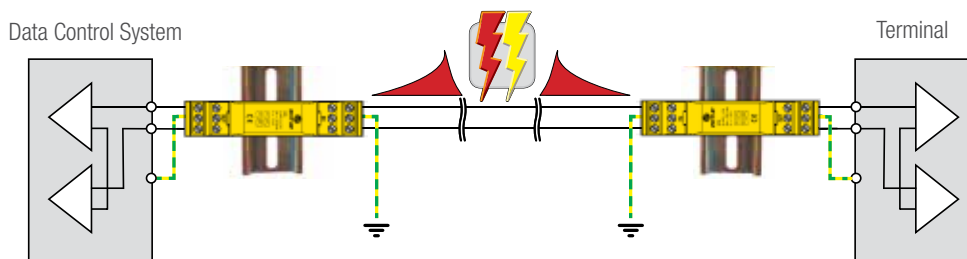


DIN-rail socket + pluggable SPD-module



S-ASI ... B ... is an SPD for installations in series with the telecommunication/signalling circuits to protect sensitive equipments with low resistability/immunity, providing the following features and benefits:

- Classification for the impulse test: categories C1, C2, C3, D1 (comply with IEC/EN 61643-21);
- S-ASI ... SPDs are made in pluggable execution and they guarantee the continuity of signal circuit. They do not suspend it when the plug is pulled out;
- The common and differential mode fine protection let at this device to well protect grounded circuits;
- Providing protection against direct and indirect lightning effects;
- The behaviour of the SPD is in Short Circuit failure mode when reaching the end of the life;
- The connection is made by screw type terminals to guarantee the best connection reliability;
- Ground connection is made via PE and G screw type terminals, as well as the top hat DIN rail.

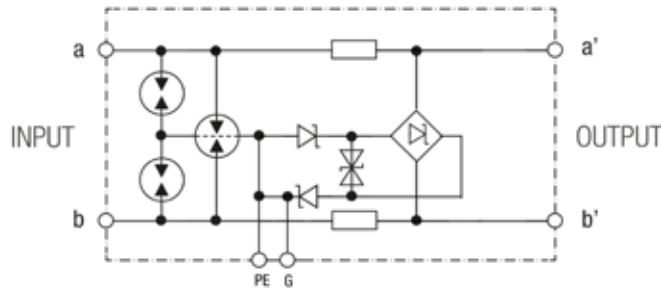
PROFIBUS

Model S-ASI 1 B ...		6	12	24	48
CODE		343 006	343 012	343 024	343 048
Protected Lines				1	
SPD impulse rating/Category		C1, C2, C3, D1			
Nominal Voltage	U_N	6 V dc/ 4,2 V ac	12 V dc/9 V ac	24 V dc/18 V ac	48 V dc/39 V ac
Maximum Continuous Operating Voltage	U_c	7,2 V dc	14,4 V dc	28,8 V dc	57,6 V dc
Rated Current	I_L			0,5 A	
Category C1 - Nominal discharge current (8/20 μ s) per wire	I_n			1 kA	
Category C1 - Level of protection at I_n per wire (all modes)	U_p	70 V dc	80 V dc	150 V dc	220 V dc
Category C2 - Nominal discharge current (8/20 μ s) per wire	I_n			15 kA	
Category C2 - Level of protection at I_n per wire (all modes)	U_p	110 V dc	130 V dc	180 V dc	260 V dc
Category C3 - Voltage protection level at 1 kV/ μ s (all modes)	U_p	≤ 45 V	≤ 50 V	≤ 50 V	≤ 70 V
Category D1 - Line/PE impulse discharge current (10/350 μ s)	$I_{imp\ 10/350}$			2,5 kA	
Category D1 - Total Impulse discharge current (10/350 μ s)	$I_{Total\ 10/350}$			5 kA	
Response time	t_a			≤ 1 ns	
Bandwidth				100 MHz	
Data Rate				100 Mbit/s	
Longitudinal serie impedance				1,8 Ω	
Parasitic capacity	C			1,5 nF	
Operating temperature range				-25 ... +70 $^{\circ}$ C	
Clamps cross-section				max. 1,5 mm ² flexible	
Mounting		indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715			
Housing		thermoplastic			
Degree of protection	IP	20			
Approximate weight		50 g			
Dimension: width		17,5 mm (1 module)			
GTIN (EAN)		8054890322010	8054890322027	8054890322034	8054890322041



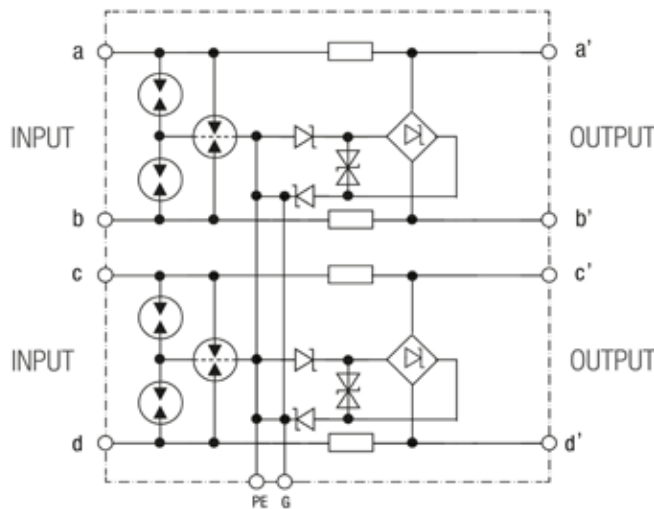
S-ASI ... B ...

MODEL S-ASI 1 B ...



Typical protection scheme for high frequency data transmission interfaces. The protection allows a data transmission until 100 Mbit/s. The level of protection offered from this solution is not affected by the steepness of the transient.

MODEL S-ASI 2 B ...



PROFIBUS

Model S-ASI 2 B ...

		6	12	24	48
CODE		343 206	343 212	343 224	343 248
Protected Lines		2			
SPD impulse rating/Category		C1, C2, C3, D1			
Nominal Voltage	U_N	6 V dc/ 4,2 V ac	12 V dc/9 V ac	24 V dc/18 V ac	48 V dc/39 V ac
Maximum Continuous Operating Voltage	U_c	7,2 V dc	14,4 V dc	28,8 V dc	57,6 V dc
Rated Current	I_L	0,5 A			
Category C1 - Nominal discharge current (8/20 μ s) per wire	I_n	1 kA			
Category C1 - Level of protection at I_n per wire (all modes)	U_p	70 V dc	80 V dc	150 V dc	220 V dc
Category C2 - Nominal discharge current (8/20 μ s) per wire	I_n	15 kA			
Category C2 - Level of protection at I_n per wire (all modes)	U_p	110 V dc	130 V dc	180 V dc	260 V dc
Category C3 - Voltage protection level at 1 kV/ μ s (all modes)	U_p	≤ 45 V	≤ 50 V	≤ 50 V	≤ 70 V
Category D1 - Line/PE impulse discharge current (10/350 μ s)	$I_{imp\ 10/350}$	2,5 kA			
Category D1 - Total Impulse discharge current (10/350 μ s)	$I_{Total\ 10/350}$	5 kA			
Response time	t_a	≤ 1 ns			
Bandwidth		100 MHz			
Data Rate		100 Mbit/s			
Longitudinal serie impedance		1,8 Ω			
Parasitic capacity	C	1,5 nF			
Operating temperature range		-25 ... +70 °C			
Clamps cross-section		max. 1,5 mm ² flexible			
Mounting		indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715			
Housing		thermoplastic			
Degree of protection	IP	20			
Approximate weight		50 g			
Dimension: width		17,5 mm (1 module)			
GTIN (EAN)		8054890322058	8054890322065	8054890322072	8054890322089

TECHNICAL DATA