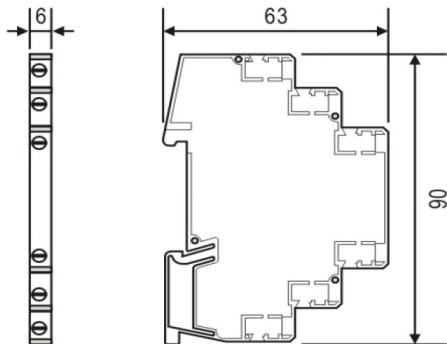




For installation at LPZ 0B-2 or higher, applied in protection for 2 single wires of balanced interfaces with measuring and controlling system, and telecommunication applications providing coarse and fine protection.

Key Features:

- Data network protector in accordance with IEC 61643-21:2000+A1:2008
- 35 mm DIN-rail mounting design
- Small size, only 6 mm wide module



Technical Information

Model No.			ASIDM12-S2	ASIDM24-S2	ASIDM48-S2	ASIDM110-S2
Nominal voltage		U_N	12 V	24 V	48 V	110 V
Rated Voltage (Max. Continuous DC Voltage)		U_c	14 V	33 V	55 V	170 V
Rated Voltage (Max. Continuous AC Voltage)		U_c	9.5 V	23 V	38.5 V	120 V
Nominal Current		I_L	0.5 A	0.5 A	1.7 A	0.5 A
Lightning Impulse Current (10/350)	Per Line	Limp	0.5 kA			
Nominal Discharge Current (8/20)	Per Line	In	5 kA			
Nominal Discharge Current (8/20)	Total	In	10 kA			
Voltage Protection Level at In	Line-Line	Up	≤ 25 V	≤ 50 V	≤ 100 V	≤ 260 V
Voltage Protection Level at In	Line-PG	Up	≤ 750 V			
Voltage Protection Level at 1kV/ μ s	Line-Line	Up	≤ 19 V	≤ 45 V	≤ 70 V	≤ 230 V
Voltage Protection Level at 1kV/ μ s	Line-PG	Up	≤ 650 V			
Bandwidth	Line-Line	F_G	2.5 MHz	6 MHz	10 MHz	16 MHz
Series Impedance	Per Line	R	1.8 Ω	1.8 Ω	0.4 Ω	1.8 Ω
Capacitance	Line-Line	C	≤ 2.4 nF	≤ 1 nF	≤ 0.6 nF	≤ 0.4 nF
Capacitance	Line-PG	C	≤ 5 pF	≤ 5 pF	≤ 10 pF	≤ 5 pF
Response Time	Line-Line	T_A	≤ 1 ns			
Response Time	Line-PG	T_A	≤ 100 ns			
Operating Temperature Range			$-40^\circ\text{C} \dots +80^\circ\text{C}$			
Cross-Sectional Area			0.08 mm ² ~ 4 mm ² solid/2.5 mm ² Flexible			
Mounting			35 mm DIN Rail in accordance with EN50022/DIN 46277-3			
Enclosure Material			Black Thermoplastic, UL 94-V0			

Basic Circuit Diagram

