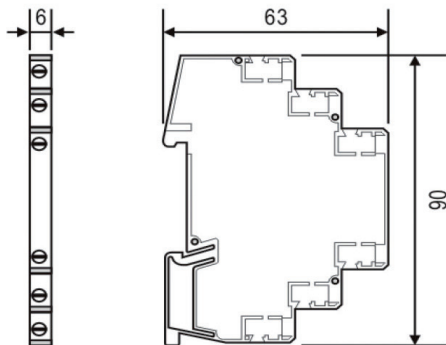


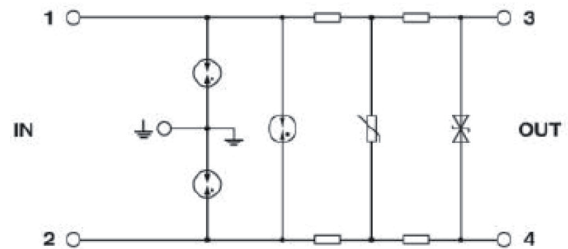
For installation at LPZ 0B-2 or higher, applied in protection for 2 single wires of balanced interfaces with measuring and controlling system, providing coarse and fine protection.

- 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

## Dimensions



## Basic Circuit Diagram



## Technical Data

| 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  | $I_{limp}$ | 0.5 kA  |              |               |               |
| Nominal Discharge Current (8/20)           | Per Line  | $I_n$      | 5 kA  |              |               |               |
| Nominal Discharge Current (8/20)           | Total     | $I_n$      | 10 kA   |              |               |               |
| Voltage Protection Level at In             | Line-Line | $U_p$      | $\leq 25$ V   | $\leq 50$ V  | $\leq 100$ V  | $\leq 260$ V  |
| Voltage Protection Level at In             | Line-PG   | $U_p$      | $\leq 750$ V  |              |               |               |
| Voltage Protection Level at 1kV/ $\mu$ s   | Line-Line | $U_p$      | $\leq 19$ V   | $\leq 45$ V  | $\leq 70$ V   | $\leq 230$ V  |
| Voltage Protection Level at 1kV/ $\mu$ s   | Line-PG   | $U_p$      | $\leq 650$ V  |              |               |               |
| Bandwidth                                  | Line-Line | $F_0$      | 2.5 MHz   | 6 MHz        | 10 MHz        | 16 MHz        |
| Series Impedance                           | Per Line  | $R$        | 1.8 $\Omega$  | 1.8 $\Omega$ | 0.4 $\Omega$  | 1.8 $\Omega$  |
| Capacitance                                | Line-Line | $C$        | $\leq 2.4$ nF   | $\leq 1$ nF  | $\leq 0.6$ nF | $\leq 0.4$ nF |
| Capacitance                                | Line-PG   | $C$        | $\leq 5$ pF   | $\leq 5$ pF  | $\leq 10$ pF  | $\leq 5$ pF   |
| Response Time                              | Line-Line | $T_A$      | $\leq 1$ ns   |              |               |               |
| Response Time                              | Line-PG   | $T_A$      | $\leq 100$ ns   |              |               |               |
| Operating Temperature Range                |           |            | -40°C...+80°C   |              |               |               |
| Cross-Sectional Area                       |           |            | 0.08 mm <sup>2</sup> ~ 4 mm <sup>2</sup> solid/2.5 mm <sup>2</sup> Flexible |              |               |               |
| Mounting                                   |           |            | 35 mm DIN Rail in accordance with EN50022/DIN 46277-3                       |              |               |               |
| Enclosure Material                         |           |            | Black Thermoplastic, UL 94-V0   |              |               |               |