



**S-AS 2 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:**

- Common mode and differential mode protection make it particularly suitable for signal circuits between equipment with reference ground;
- Very efficient protection providing a low voltage protection level  $U_p$ ;
- Providing protection against indirect lightning effects;
- Suitable for installation at LPZ boundaries up to  $0_B -2$  in accordance with the lightning protection zones concept;
- The behaviour of the SPD is in Short Circuit failure mode when reaching the end of the life;
- Ground connection is made via PE screw type terminals.

**Note: Equipment protection at both ends of the telecommunication/signal line is essential (see above schematics).**

Modello S-AS 2 ...

|  |                  | 24/1  | 48/1            |
|--|------------------|---|-----------------|
| CODE   |                  | 302 524   | 302 548         |
| SPD impulse rating/Category  |                  | C2, C3  |                 |
| Protected Lines  |                  | 1   |                 |
| Nominal voltage  | $U_N$            | 24 V dc/18 V ac                                   | 48 V dc/34 V ac |
| Maximum Continuous Operating Voltage                                     | $U_c$            | 29 V dc   | 58 V dc         |
| Rated Current  | $I_L$            | 5 A   | 5 A             |
| Category C2 - Total Discharge Current (8/20 $\mu$ s)                     | $I_{Total 8/20}$ | 2 kA  | 2 kA            |
| Category C2 - Nominal Discharge Current (8/20 $\mu$ s) per wire          | $I_n$            | 1 kA  | 1 kA            |
| Category C2 - Voltage Protection level at $I_n$ wire (all modes)         | $U_p$            | $\leq 90$ V                                       | $\leq 170$ V    |
| Category C3 - Voltage Protection level at 1 kV/ $\mu$ s wire (all modes) | $U_p$            | $\leq 51$ V                                       | $\leq 118$ V    |
| Response time  | $t_a$            | $\leq 25$ ns                                      |                 |
| Parasitic Capacitance  | C                | 10 nF   |                 |
| Operating temperature range  |                  | - 40 ... + 80 °C                                  |                 |
| Terminal - conductor size  |                  | max. 2,5 mm <sup>2</sup> flexible                 |                 |
| Mounting   |                  | indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715 |                 |
| Housing  |                  | thermoplastic                                     |                 |
| Degree of protection   | IP               | 20  |                 |
| Approximate weight   |                  | 45 g  |                 |
| Dimension: width   |                  | 17,5 mm (1 module)                                |                 |
| GTIN (EAN)   |                  | 8054890321327                                     | 8054890321358   |

TECHNICAL DATA