

## SP Range Pluggable SPD for 4/20mA Signals



Part No. SP30

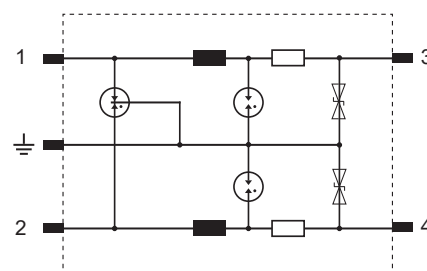
| Type                                         |                  | SP30                                       |
|----------------------------------------------|------------------|--------------------------------------------|
| Nominal voltage                              | U <sub>n</sub>   | 30V-                                       |
| Rated voltage (max. operating voltage)       | U <sub>c</sub>   | 35V- 25V~                                  |
| Nominal current                              | I <sub>L</sub>   | 1A                                         |
| Lightning discharge current (10/350)         | I <sub>imp</sub> | 4kA (per line)<br>10kA (total)             |
| Nominal discharge current (8/20)             | I <sub>n</sub>   | 10kA (per line)<br>20kA (total)            |
| Voltage protection level at I <sub>imp</sub> | U <sub>p</sub>   | ≤130V (line-line)<br>≤80V (line-line)      |
| Response time                                | t <sub>A</sub>   | ≤1ns (line-line)<br>≤1ns (line-PG)         |
| Bandwidth                                    | f <sub>G</sub>   | 5.1MHz (AD-PG)                             |
| Series impedance per line                    | R                | 2.2Ω                                       |
| Capacitance                                  | C                | ≤0.3nF (line-line)<br>≤0.6nF (line-PG)     |
| Operating temperature range                  |                  | -40°C...+80°C                              |
| Cross-sectional area                         |                  | Max. 2.5mm <sup>2</sup> flexible           |
| Mounting on                                  |                  | 35mm DIN rail                              |
| Enclosure material                           |                  | Yellow thermoplastic, UL94-V0              |
| Test standards                               |                  | IEC 61643-21;<br>GB 18802.21;<br>YD/T 1542 |
| Certification                                |                  | CE (LVD, EMC)                              |



Part No. SP48

| Type                                         |                  | SP48                                       |
|----------------------------------------------|------------------|--------------------------------------------|
| Nominal voltage                              | U <sub>n</sub>   | 48V-                                       |
| Rated voltage (max. operating voltage)       | U <sub>c</sub>   | 55V- 39V~                                  |
| Nominal current                              | I <sub>L</sub>   | 1A                                         |
| Lightning discharge current (10/350)         | I <sub>imp</sub> | 4kA (per line)<br>10kA (total)             |
| Nominal discharge current (8/20)             | I <sub>n</sub>   | 10kA (per line)<br>20kA (total)            |
| Voltage protection level at I <sub>imp</sub> | U <sub>p</sub>   | ≤150V (line-line)<br>≤90V (line-line)      |
| Response time                                | t <sub>A</sub>   | ≤1ns (line-line)<br>≤1ns (line-PG)         |
| Bandwidth                                    | f <sub>G</sub>   | 8.5MHz (AD-PG)                             |
| Series impedance per line                    | R                | 2.2Ω                                       |
| Capacitance                                  | C                | ≤0.3nF (line-line)<br>≤0.6nF (line-PG)     |
| Operating temperature range                  |                  | -40°C...+80°C                              |
| Cross-sectional area                         |                  | Max. 2.5mm <sup>2</sup> flexible           |
| Mounting on                                  |                  | 35mm DIN rail                              |
| Enclosure material                           |                  | Yellow thermoplastic, UL94-V0              |
| Test standards                               |                  | IEC 61643-21;<br>GB 18802.21;<br>YD/T 1542 |
| Certification                                |                  | CE (LVD, EMC)                              |

- Combined arrester handles Lightning & Surges
- Designed to protect measuring and control circuits, bus systems or telecommunication systems
- High discharge current 20kA at 8/20μs
- Extremely low voltage protection level
- Pluggable replacement modules
- Din rail mountable device with integrated earthing
- Slim, space-saving device
- Easy to install
- Range of voltages available to suit all installations



Also available in different voltages from 5V-110V