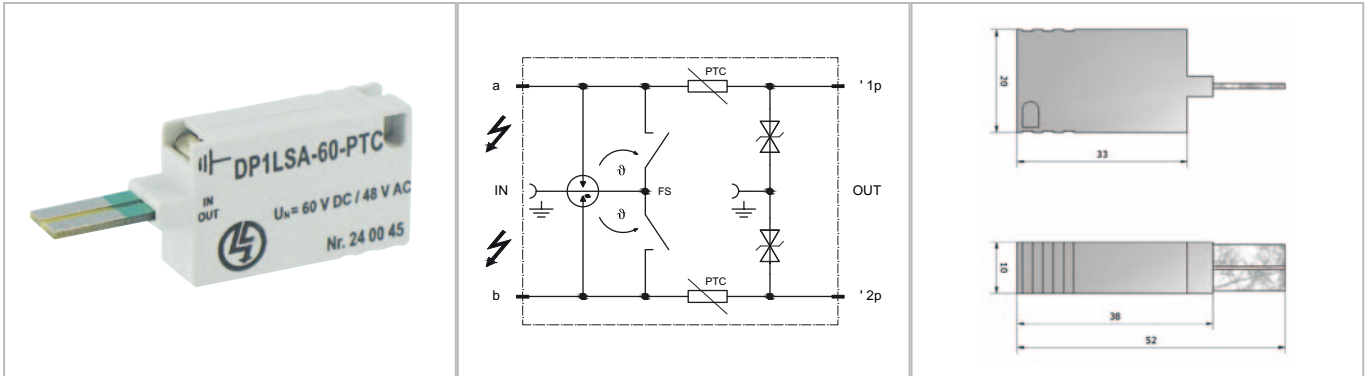


# Datasheet

## Surge protection for information technology and telecommunication installations

### SPD according to test category C2+C1



Surge protection device for data and signal lines in measuring systems and automatic control devices. Surge voltage protection connector for 1 DA, with surge current protection via PTC thermistors and fail-safe contact for LSA (IDC) disconnection modules.

- Coarse and fine protection
- Surge current protection via PTC thermistors
- Suitable for DC and AC application
- Fail-safe thermal overload protection

| Technical Data                                 |      | DP 1LSA-60-PTC  |
|--|------|---|
| Nominal voltage DC                             | UN   | 60 V=   |
| Max. continuous operating voltage DC           | Uc   | 100 V=  |
| Nominal alternating voltage (50/60Hz)          | UN   | 48 V~   |
| Max. continuous operating voltage AC (50/60Hz) | Uc   | 70 V~   |
| Nominal operating current at 25°C              | IL   | 150 mA  |
| C2 nominal discharge current (8/20 μs)         | In   | 5 kA  |
| Nominal discharge current (8/20)               | In   | 10 kA   |
| Protection level at In (line-PG)               | Up   | ≤ 300 V   |
| Residual voltage at 1 kV/μs (line-PG)          | Ures | ≤ 180 V   |
| Response time                                  | tA   | ≤ 25 ns   |
| Thermal overload protection                    |      | thermal fail-safe (short-circuit spring) and PTC            |
| Capacitance, line-earth                        | C    | ≤ 250 nF  |
| Series impedance per line at 25°C              | R    | 9 - 11 Ω  |
| Max. transmission frequency                    | fg   | 5 MHz   |
| Operating temperature range                    | TU   | -25 - +60 °C  |
| Earthing (Grounding) by                        |      | via grounding bar and isolation unit on LSA backmount frame |
| Enclosure material / colour                    |      | self-extinguishing thermoplastic (POCAN) UL 94 V0, grey     |
| Net weight / pc                                |      | 10 g  |

### Order Data

|             |                |
|-------------|----------------|
| Product     | DP 1LSA-60-PTC |
| Article-No. | 24 00 45       |