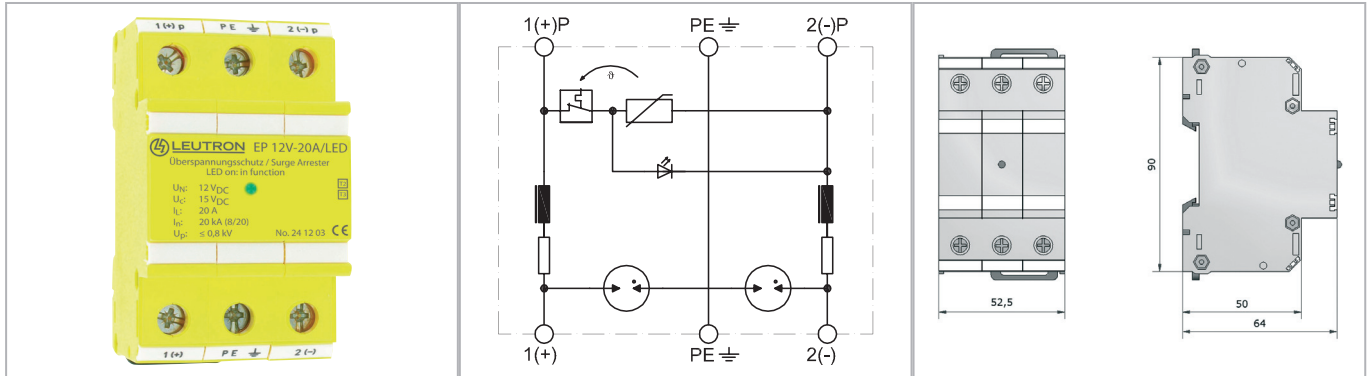


Datasheet

Surge protection of power supply

DC Power Supply



Two-pole SPD for operating current up to 20 A in looped-in wiring, with disconnection device without interruption of the power supply. A very low protection level allows the use as SPD Typ 3 (class III).

- Surge voltage protection for electrical and electronic devices
- Arrester status control display: LED green (readiness: on)
- With low-pass filter
- EAC certification

| Technical Data | | EP 12V-20A/LED |
|---|------|---|
| IEC category | | Type 2 / class II |
| Rated voltage DC (1-2/1p-2p) | UN | 12 V= |
| Rated voltage AC (1-2 / 1p-2p) | UN | 8 V~ |
| Max. operating voltage DC (1-2 / 1p-2p) | Uc | 15 V= |
| Max. operating voltage AC (1-2 / 1p-2p) | Uc | 10 V~ |
| Max. operating current | IL | 20 A |
| Protection level line-line at 1 kV/μs and In | Up | ≤ 80 V |
| Response time | tA | 25 ns |
| Short-circuit current extinguishing capacity line-line | | ≤ 6 A |
| Short-circuit current extinguishing capacity line-earth | | ≤ 1 A |
| Nominal discharge current L1, L2-PE (8/20 μs) | In | 20 kA |
| Max. impulse discharge current L1, L2-PE (8/20 μs) | Imax | 40 kA |
| Max. impulse discharge current L1+L2-PE (8/20 μs) | Imax | 80 kA |
| Operating temperature range | TU | -40 - +80 °C |
| Max. conductor cross section | | 50 mm ² stranded/35 mm ² flexible |
| Max. connection torque for terminals | | 4,0 Nm |
| Dimensions (L x W x H) | | 64 x 90 x 52,5 mm |
| Degree of protection (IEC EN 60529) | | IP 20 |
| Enclosure material / colour | | polycarbonate (halogen-free) UL 94-V0 / yellow |
| Mounting on | | 35 mm DIN rail (EN 60715) |

Order Data

| | |
|-------------|----------------|
| Product | EP 12V-20A/LED |
| Article-No. | 24 12 03 |