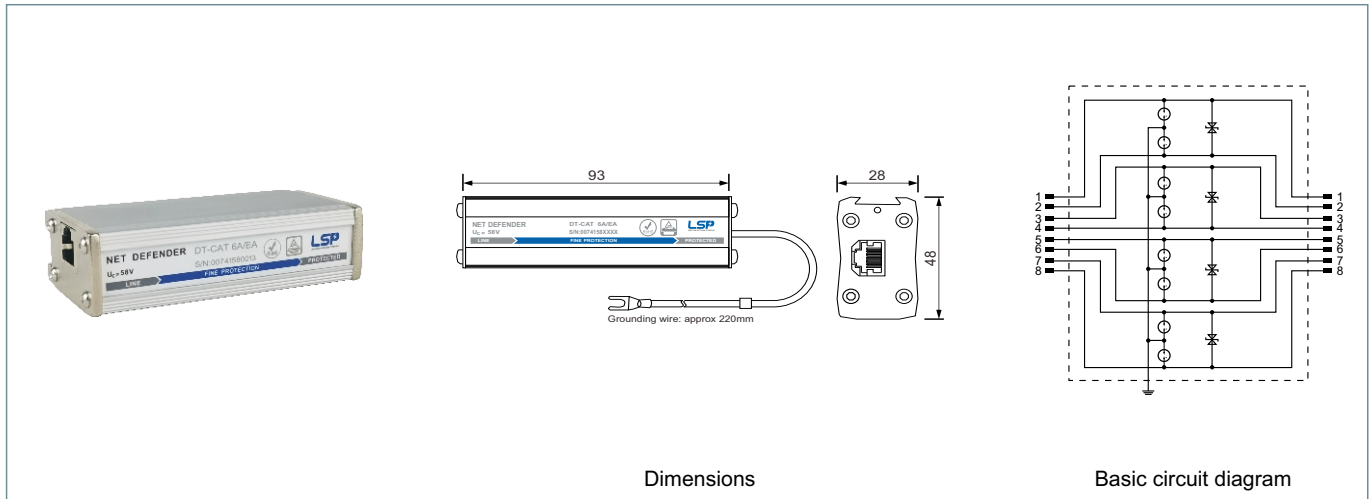


DT-CAT 6A/EA

The "PoE Surge Protector" permits the use of Power over Ethernet with nominal currents of up to 1 A. It can be snapped directly onto the hat rail and uses it to create the necessary equipotential bonding. Alternatively, terminal protection using a separately connectable

- Support for Power over Ethernet + up to 1 A (PoE+ according to IEEE 802.3at)
- CAT 6A in the channel according to ANSI/TIA/EIA-568
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_s-2 and higher



| Type | DT-CAT 6A/EA | |
|--|-------------------|------------------------|
| SPD according to EN 61643-21 / IEC 61643-21 | type 2 / class II | |
| Max. continuous operating a.c. voltage | U_c | 41 V |
| Max. continuous operating d.c. voltage | U_c | 58 V |
| Max. continuous operating d.c. voltage pair-pair (PoE) | U_c | 57 V |
| Rated current | I_L | 1 A |
| D1 Lightning impulse current (10/350 μ s) per line | I_{imp} | 1 kA |
| C2 Nominal discharge current (8/20 μ s) line-line | I_n | 150 A |
| C2 Nominal discharge current (8/20 μ s) line-PG | I_n | 2.5 kA |
| C2 Total nominal discharge current (8/20 μ s) line-PG | I_n | 10 kA |
| C2 Nominal discharge current (8/20 μ s) pair-pair (PoE) | I_n | 150 A |
| Voltage protection level line-line for I_n C2 | U_p | < 190 V |
| Voltage protection level line-PG for I_n C2 | U_p | < 600 V |
| Voltage protection level pair-pair for I_n C2 (PoE) | U_p | < 600 V |
| Voltage protection level line-line at 1 kV/ μ s C3 | U_p | < 145 V |
| Voltage protection level line-PG at 1 kV/ μ s C3 | U_p | < 500 V |
| Voltage protection level pair-pair at 1 kV/ μ s C3 (PoE) | U_p | < 600 V |
| Insertion loss at 250 MHz | | < 2 dB |
| Capacitance line-line | C | < 165 pF |
| Capacitance line-PG | C | < 255 pF |
| Range of operating temperatures | T_U | -40/+80°C |
| Degree of protection | | IP 20 |
| Connection (input / output) | | RJ45 / RJ45 |
| Pinning | | 1/2, 3/6, 4/5, 7/8 |
| Enclosure material | | Aluminum housing |
| Earthing via | | Connecting line |
| Transmission class according to ISO/IEC 11801 | | Cat. 6 |
| Transmission class according to EN 50173-1 | | Class EA |
| Transmission class according to ANSI/TIA/EIA-568 | | Cat. 6A in the channel |
| Approvals | | TVU, CB, RoHS |