

TECHNICAL DATA SHEET

LPI® Local Area Network Protector



Features

- Surge protective device for PC's, servers and similar devices connected to data network CAT 6
- CAT 6 / 1000 Mbits application
- Simple plug-in RJ45 socket
- Low attenuation
- Plug in design provides potential equalisation through the mounting rail clip for TS-35 DIN rail
- Widely used RJ45 connector suits 10 baseT and 100 baseT Ethernet networks

Technical Data

Ordering code:	LAN-RJ45 Cat6
Nominal Voltage, U_N (L-L):	6.0V
Maximum Impulse Current, I_{MAX} (10/1000 μ s):	130A per line
Conductors Protected:	All 4 pairs protected
Connector:	RJ45 (8-pin) red or clear colour
Data Clamp Voltage:	<7.5V
Voltage protection level, U_P (1kV/ μ s):	<15V
Response time:	<5ns
Max. capacitance:	< 5pF
Max. Transmission Speed:	1000 Mbit/s (CAT 6)
Operating temperature and Humidity range:	- 25°C ~ +70°C / 0 – 90%
Dimensions:	91 x 43 x 23.6 mm with flying leads 1.5 m and 0.3 m
Warranty:	5 Years – Contact LPI for full warranty details
Weight:	17 g

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Installation / Operating instructions

Connect the LAN RJ45-CAT6 to the equipment to be protected with the enclosed modular cable (CAT 6). Use the flying leads as supplied with LAN RJ45-CAT6 to connect between the input line side and the output equipment side. Ensure the unit is grounded via the TS35 DIN rail mounting clip.

Examples of use:

Connect the LAN RJ45-CAT6 to the ends of LAN cables connected to individual equipment to be protected. In particular, when LAN cables are connected to different buildings or across floors in the same building, they are susceptible to lightning surges. Typically, this type of situation requires LAN RJ45-CAT6 to be connected.

*Only the equipment fitted with a LAN RJ45-CAT6 is protected.

Warnings:

- Do not handle LAN RJ45-CAT6 during electrical storms
- Do not use in areas exposed to high temperature, high humidity and/or water
- Disconnect unit if fire, smoke or abnormal smell is detected
- Do not disassemble or remodel unit
- The LAN RJ45-CAT6 cannot be used with a standard telephone line. Therefore, check the specifications of the line before making any connections

