

# Network Surge Protection

ELECTRICAL NETWORK  
SURGE PROTECTION

## NTB-15US

Code: 77 703 325

### $I_{max}(8/20) = 8 \text{ KA}$



#### •• PRODUCT

Transient Voltage Surge suppressor designed for applications where a combination of both data line and power supply has to be protected against surges caused by lightning.

This equipment is configured with: 2 outlets with transient protection.

#### • WORKING PRINCIPLES

When a surge occurs, the NTB surge protector discharges against the earthing system and protects incoming power supply lines of power supply. Hence, the power supply in sensitive equipment such as, computers become protected up to suitable level of surges.

NTB offers protection in differential mode (between lines) and common mode (between lines and the earth), giving a high level of protection for the installation.

NTP has been built with different protection steps that coordinates the surge depending on the level of the surge that has to be driven to earth.

#### •• TECHNICAL FEATURES

Features Description	POWER SUPPLY (PLUG)
Number of protected lines	1
Nominal Voltage <b>Un</b>	125 VAC
Max. Permanent Voltage <b>Uc</b>	150VAC
Max. Voltage of signal to be transmitted	--
Type of protection	Serial
Nominal Service current	15 A
Nom. discharge current <b>Isn</b> (20 times 8/20)	3 kA
Max. Discharge Current <b>I<sub>max</sub></b> . (1 time 8/20)	8 kA
Protection Level <b>Up</b>	<0,7 kV
Pairs protected	--
Baud rate	--
Connection	2
Protection Type	Common mode & Differential mode
Working temperature	De -20°C a + 40°C
Storage temperature	De -40°C a + 70°C
Size (mm)	105 x 60 x 50
Weight	200 gr



Earthing system is a must for good operation of surge protection.

#### Monitoring and protection mode:

NTB has been provided with 2 light indicators. They are used for both to monitor the status of the line and also to visualize when protector has expired. The following two lights and one protection are located on front panel:

- Green Light: Power supply indication. Always lighted when there is power on the line.
- Red light: Fault Indication. Normally not lighted. When fault occurs it will light up.

In case of surge or fault due to overvoltage, the protection will have expired, and the device will not be saved any longer. Nevertheless the socket will continue supplying power to plugged devices so that uninterrupted power supply is guaranteed.

#### Applications:

NTP is suitable for overvoltage protection on sensitive electronic devices, such as modems, computers...