

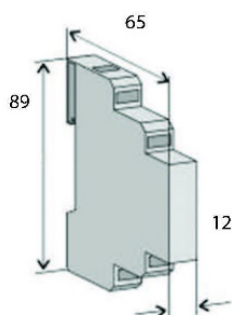
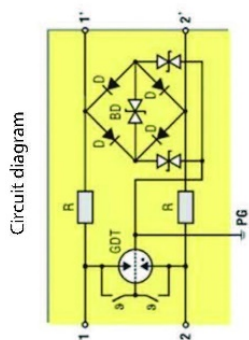
SIGNAL LINE PROTECTION

NTS-NMH-TC24/20

24 Volt Signal line Protector



Protective modules contain a coarse and a fine overvoltage protection in a longitudinal and a transverse direction. A coarse overvoltage protection is carried out with a strong three-pole gas discharge tube. A fine overvoltage protection is carried out with three metal-oxide varistors or with fast bi-directional TVS diodes. TVS diodes are connected to a rectifier bridge that reduces capacitance, ensuring an increase of limit frequency. Built-in connecting couplings resistors, assure a co-ordination between a coarse and a fine overvoltage protection. Protective modules contain also a short circuit protection carried out with a thermo-clip, which in case of contact between power lines with information connections connects them to the grounding. A thermo-clip in that case prevents fire and overheating-melting of plastic protection.



TYPE	NTS-NMH-TC24/20
Protection construction	Protective Module
Number of protected pairs	1 (2 conductors)
Rated operating voltage Un	24VDC
Max Operating Voltage UC	28VDC
Rated spark over voltage (a/b-PG)	30V - 36V
(a-b)	30V - 36V
Rated operating current	1A
Rated surge current (8/20us)	10kA
Max. Surge current (8/20us)	20kA
Serial resistance	Approx 1ohm
Limit frequency	35MHz
Response time of over voltage protection	<1ns
Thermal protection	Thermo-clip
Cross section of connecting wire	6 mm ²
Operating temperature	- 40 °C to 80 °C
Storage temperature	- 40 °C to 80 °C
Casing material	Thermoplastic; extinguishing degree V-O
Casing colour	White
Mounting	On a 35 mm DIN rail

