

## Information Technology Systems SPDs for 19" Technology

### NET Protector - 8-way Surge Arrester

- Protects switches and HUBs
- Class D according to EN 50173 possible (Gigabit Ethernet)
- Units available with plug-in inputs and outputs for retrofitting

19" enclosure, equippable with surge protective boards for protection of network components (Class D).

19" enclosure, equippable with up to 3 surge protective boards for protection of active network components like HUBs and switches (Class D).

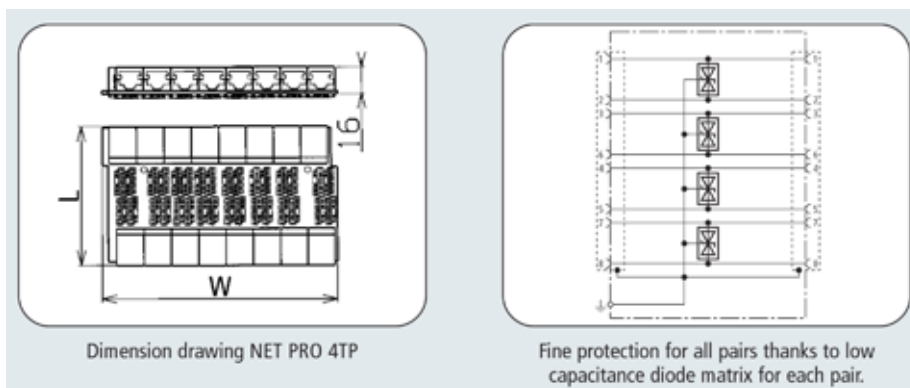
NET Protector requires space of only 1 vertical module and is mostly installed into 19" racks. It is inserted as a patch panel with surge protection or as a retrofitted device for patching between the patch panel and the device to be protected.

C00503



### NET PRO 4TP

- Low protection level for all lines
- For use according to the lightning protection zones concept at boundaries 1 - 2 and higher



Fine protection board with 8 shielded ports for universal cablings (Class D). For universal use as protection for all 4 pairs (4 TP) is provided. To be installed into NET Protector 19" Enclosure and mounted into the distribution cabinet as a patch field or retrofitting unit.



## Technical Data

		NET PRO 4TP
Nominal voltage	$U_N$	5 V
Max. continuous dc voltage	$U_c$	6 V
Max. continuous ac voltage	$U_c$	4.2 V
Nominal current	$I_L$	100 mA
C2 Nominal discharge current (8/20) per port	$I_n$	2.4 kA
C2 Nominal discharge current (8/20) per line	$I_n$	0.3 kA
Voltage protection level line-line at $I_n$ C2	$U_p$	$\leq 35$ V
Voltage protection level line-PG at $I_n$ C2	$U_p$	$\leq 35$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3	$U_p$	$\leq 13$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3	$U_p$	$\leq 13$ V
Bandwidth line-line at 100 Ohm	$f_G$	165 MHz
Insertion loss at 100 MHz		< 0.4 dB
Capacity line-line C		$\leq 35$ pF
Capacity line-PG C		$\leq 50$ pF
Response time line-line	$t_a$	$\leq 1$ ns
Response time line-PG	$t_a$	$\leq 1$ ns
Operating temperature range		- 40°C ... + 80°C
Degree of protection		IP 00
Mounting in		enclosure
Connection input/output		RJ45 shielded / RJ45 shielded
Pinning		1/2, 3/6, 4/5, 7/8
Earthing via		enclosure
Dimension		484 (440) x 82 x 45mm
Test standards		VDE 0845-2, IEC 61643-21
<b>Ordering information</b>		
Type		NET PRO 4TP
Part No.		C00503
Packing unit		1 pc(s)

## Accessory Part for NET Protector

<b>Enclosure 19</b>		
Completely shielded empty enclosure for equipping to to 3 NET Protector protective boards.		
Type	EG NET PRO 19"	
Dimension	1 vertical module	
Enclosure material	steel sheet metal	
Type	PU pc(s)	Part No.
NET Protector 19" Enclosure	1	C00501



C00501