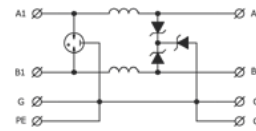
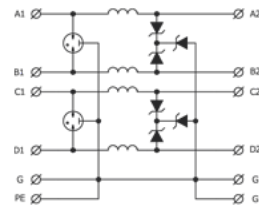


PZH HDTNV1*/B



PZH HDTNV2*/B



PZH HDTNV*/*B

PZH HDTNV*/*B is a complex range of surge protection devices designed for the protection of data, communication, measuring and control lines against surge effects. These devices are recommended for use at the boundaries of LPZ 1-2-3 lightning protection zones according to EN 62305. All types provide effective protection of connected equipment against common mode and differential mode surge effects according to EN 61643-21. The rated load current of individual protected lines $I_L = 1,5$ A.

1st stage is solved by using three-pole gas discharge tubes, 2nd stage by using transils. The number of protected pairs is optional (1-2). PZH HDTNV*/*B is produced for nominal operating voltage within the range of 6V - 48 V.

TYPE / NUMBER OF PROTECTED PAIRS	1	PZH HDTNV1/6B	PZH HDTNV1/12B	PZH HDTNV1/24B	PZH HDTNV1/48B
	2	PZH HDTNV2/6B	PZH HDTNV2/12B	PZH HDTNV2/24B	PZH HDTNV2/48B
Nominal voltage	U_N	6 V	12 V	24 V	48 V
Max. continuous operating voltage	U_C	7,2 V	14,4 V	28,8 V	57,6 V
Rated load current	I_L	1,5 A			
C1 Nominal discharge current (8/20 μ s)	I_n	1 kA			
C1 Voltage protection level at I_n line/PE	U_p	180 V	250 V	350 V	450 V
C1 Voltage protection level at I_n line/line	U_p	30 V	50 V	65 V	80 V
C2 Nominal discharge current (8/20 μ s)	I_n	15 kA			
C2 Voltage protection level at I_n line/PE	U_p	350 V	450 V	550 V	600 V
C2 Voltage protection level at I_n line/line	U_p	40 V	55 V	70 V	120 V
C3 Voltage protection level at 1kV/ μ s line/PE	U_p	15 V	28 V	64 V	85 V
C3 Voltage protection level at 1kV/ μ s line/line	U_p	10 V	18 V	40 V	70 V
D1 Max. lightning impulse current (10/350 μ s)	I_{imp}	5 kA			
D1 Lightning impulse current (10/350 μ s) line/PE	I_{imp}	2,5 kA			
Response time	t_A	< 30 ns			
Series impedance per line		2,2 μ H			
Parasitic capacitance	C	1,5 nF			
Recommended cable cross-section		0,25 - 1,5 mm ²			
Tested acc. to EN 61643-21		C1, C2, C3, D1			
Article number		777 56 002 (1)	777 56 003 (1)	777 56 004 (1)	777 56 005 (1)
		777 56 006 (2)	777 56 007 (2)	777 56 008 (2)	777 56 009 (2)