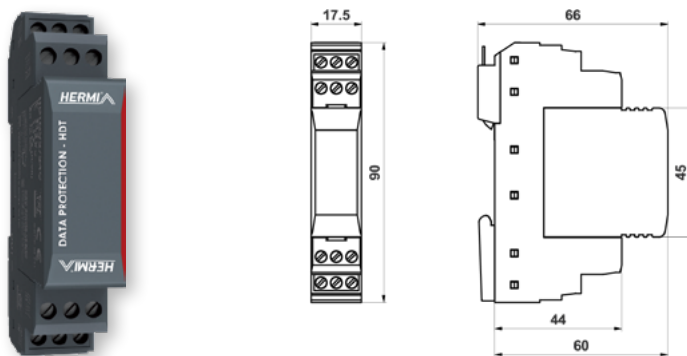
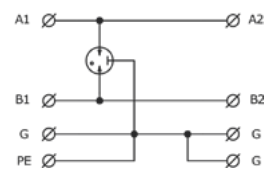


IT Systems

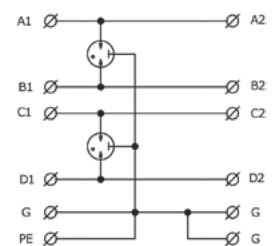
LPZ 1-2-3 / IP20 / CE



PZH HDT1/A



PZH HDT2/A



PZH HDT*/A

PZH HDT*/A is a 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 $I_L = 5$ A.

1st stage is solved by using three-pole gas discharge tubes. The number of protected pairs is optional (1-2). PZH HDT*/A is produced for nominal operating voltage of 48 V.

TYPE / NUMBER OF PROTECTED PAIRS	1	PZH HDT1/A
	2	PZH HDT2/A
Nominal voltage	U_N	48 V
Max. continuous operating voltage	U_C	57,6 V
Rated load current	I_L	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	320 V
C1 Voltage protection level at I_n line/line	U_P	240 V
C2 Nominal discharge current (8/20 μ s)	I_n	15 kA
C2 Voltage protection level at I_n line/PE	U_P	450 V
C2 Voltage protection level at I_n line/line	U_P	270 V
C3 Voltage protection level at 1kV/ μ s	U_P	300 V
Response time	t_A	<30 ns
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
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		77 56 000 (1), 77 56 001 (2)