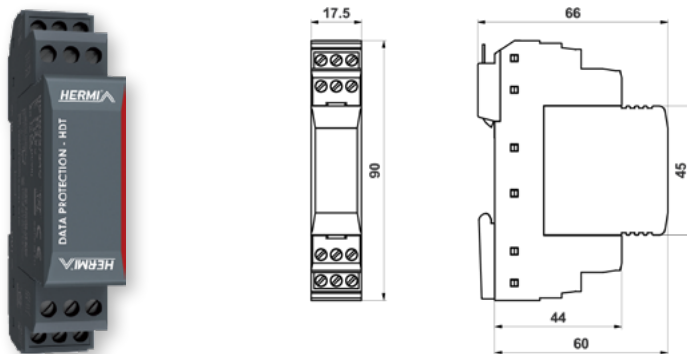
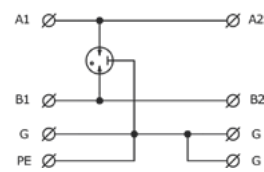


# IT Systems

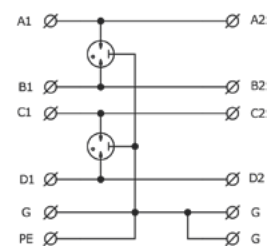
LPZ 1-2-3 / IP20 / CE



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.

1<sup>st</sup> 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 $\mu$ 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 $\mu$ 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/ $\mu$ s	$U_P$	300 V
Response time	$t_A$	<30 ns
D1 Max. lightning impulse current (10/350 $\mu$ s)	$I_{imp}$	5 kA
D1 Lightning impulse current (10/350 $\mu$ s) line/PE	$I_{imp}$	2,5 kA
Parasitic capacitance	C	1,5 nF
Recommended cable cross-section		0,25 - 1,5 mm <sup>2</sup>
Tested acc. to EN 61643-21		C1, C2, C3, D1
Article number		<b>77 56 000 (1), 77 56 001 (2)</b>