

DTNVE 1/48/0,5

DTNVE 0,5 is a complex range of surge protection devices designed for protection of data, communication, measuring and control lines against surge effects. These surge protection devices are recommended for use in the Lightning Protection Zones Concept at the boundaries of **LPZ 0_{A(B)} - 1 according to EN 62305**. All types provide effective protection of connected equipment against common mode and differential mode surge effects **according to IEC 61643-21**. The rated load current of individual protected **lines $I_L < 0,5A$** . These devices consist of gas discharge tubes, series impedance and transils. The number of protected pairs is optional (1-2). **These devices are produced for nominal voltage within the range of 6V-115V. Maximum discharge current is 10kA (8/20).**

PARAMETERS

Typ		DTNVE 1/48/0,5
Number of protected pairs		1
Nominal voltage	U_N	48 V
Maximum continuous operating voltage	U_C	57,6 V
Rated load current	I_L	0,5 A
D1 Lightning impulse current (10/350)	I_{imp}	5 kA
Possibility changes of working parameters		2,5 kA
C2 Max. discharge current (8/20)	I_{max}	10 kA
C2 Nominal discharge current I_n (8/20)	I_n	1 kA
C2 Voltage protection level at I_n	U_p	85 V
C3 Voltage protection level at 1 kV/ μ S	U_p	66 V
Response time	t_A	< 30 ns
Series impedance per line	R	4,7 μ H
Parasitic capacitance	C	1,5 nF
Recommended section of the connected conductors	S	0,25 - 1.5 mm ²
Category tested acc. to IEC 61643:21-2000		C1, C2, C3, D1
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Product image

