



## 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<sub>A(B)</sub> - 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).**

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/ $\mu$ S	$U_P$	66 V
Response time	$t_A$	< 30 ns
Series impedance per line	R	4,7 $\mu$ H
Parasitic capacitance	C	1,5 nF
Recommended section of the connected conductors	S	0,25 - 1.5 mm <sup>2</sup>
Category tested acc. to IEC 61643:21-2000		C1, C2, C3, D1
Article number		
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