



DTNVB 1/48/5

DTNVB 1/48/5 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 $O_{A(B)} - 1$ **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 nominal current of individual protected lines $I_N < 5A$. These devices consist of MOVs only. The number of protected pairs is optional (1-4).

These devices are produced for nominal voltage within the **range of 12V-110V**. **Maximum discharge current is different according to various types from 2kA (8/20) to 8kA (8/20)**.

Typ		DTNVB 1/48/5
Number of protected pairs		1
Nominal voltage	U_N	48 V
DTNVB 1/48/5		57,6 V
Rated load current	I_L	5 A
C2 Max. discharge current (8/20)	I_{max}	2 kA
C2 Nominal discharge current I_n (8/20)	I_n	1 kA
C2 Voltage protection level at I_n	U_P	170 V
C3 Voltage protection level at 1 kV/ μ S	U_P	118 V
Response time	t_A	< 30 ns
Parasitic capacitance	C	10 nF
Recommended section of the connected conductors	S	0,25 - 1.5 mm ²
Category tested acc. to IEC 61643:21-2000		A2, B2, C2, C3, D1
Article number		
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