



## DTNVE 1/80/5

**DTNVE 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  **$I_L < 5A$** . These devices consist of MOVs only. The number of protected pairs is optional (1-2). These devices are produced for nominal voltage within the range of **12V-230V**. Maximum discharge current is different according to various types from **2kA (8/20) to 10kA (8/20)**.

Typ		DTNVE 1/80/5
Number of protected pairs		1
Nominal voltage	$U_N$	80 V
Maximum continuous operating voltage	$U_C$	96 V
Rated load current	$I_L$	5 A
C2 Max. discharge current (8/20)	$I_{max}$	6,5 kA
C2 Nominal discharge current $I_n$ (8/20)	$I_n$	1 kA
C2 Voltage protection level at $I_n$	$U_p$	280 V
C3 Voltage protection level at 1 kV/ $\mu$ S	$U_p$	200 V
Response time	$t_A$	< 30 ns
Parasitic capacitance	C	10 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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