

## DTNVB 3/80/5

**DTNVB 3/80/5 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 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).**

### PARAMETERS

Typ		DTNVB 3/80/5
Number of protected pairs		3
Nominal voltage	$U_N$	80 V
DTNVB 3/80/5		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		A2, B2, C2, C3, D1
Article number		
DTNVB 3/80/5		<b>53 308</b>

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## Product image

