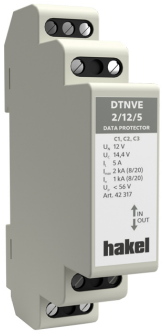
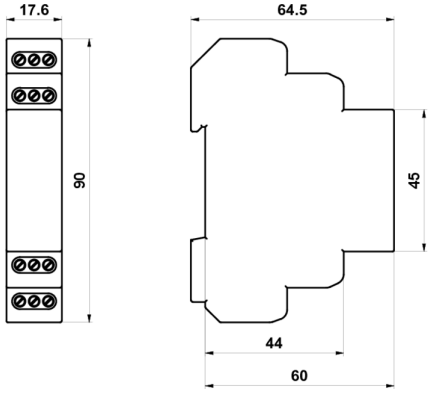
hakel®
Hz in Hearts





DTNVE 2/12/5

- Designed for the protection of data and communication lines against longitudinal and transverse surge effects.
- The inserted series impedance consists of inductors, which allow the higher nominal current permanently flow through the protection. This predetermines the equipment for protection of the given power supply line of the system.
- It can be used for the protection of analog data lines using the current loop 4 to 20 mA.
- Not suitable for digital data transmission with high transmission speed.

Type		DTNVE 2/12/5
Testing category according to IEC 61643-21:2000 and EN 61643-21:2001		C1, C2, C3
Number of pairs		2
Connector type		Screw terminals
Rated operating DC voltage	U_N	0 ÷ 12 V
Maximum continuous operating voltage DC	U_C	14.4 V
Rated load current	I_L	5 A
Maximum discharge current (8/20)	I_{max}	2 kA
C2 Nominal discharge current (8/20)	I_n	1 kA
C2 Voltage protection level at I_n	U_p	< 56 V
C3 Voltage protection level at 1 kV/µs	U_p	< 27 V
Response time	t_A	< 30 ns
Parasitic capacitance	C	< 10 nF
Lightning protection zone		LPZ 1-2, LPZ 2-3
Housing material		Polyamid PA6, UL94 V-0
Degree of protection		IP20
Operating temperature	ϑ	-40 ÷ 70 °C
Humidity range	RH	5 ÷ 96 %
Recommended cross-section of connected conductors	S	0.2 ÷ 2.5 mm^2
Tightening moment		0,5 Nm
Installation		On DIN rail 35 mm
Modular width		1 TE
Operating position		Any
Remote signalling		No
Designed according to standards		
Requirements and test methods for SPDs connected to telecommunications and signalling networks		IEC 61643-21:2000
Application standards		
Protection against lightning		IEC 62305:2010

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Ordering, packaging and additional data		
Mass	m	56 g
Mass (including the packaging)	m	67 g
Packaging dimensions (H x W x D)		26 x 98 x 73 mm
Packaging value	V	0.19 dm^3
Customs tariff no.		85363010
EAN code		8590681123041
Art. number		**42 317**

The link in the QR code leads to the online presentation of the **DTNVE 2/12/5**. There, in addition to the always up-to-date data sheet, you will also find all diagrams and drawings, declarations of conformity, or 2D or 3D models and other necessary materials. For more information, visit **www.hakel.com**

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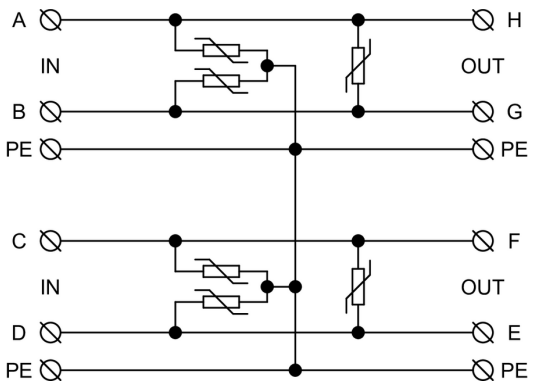
Internal diagram



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