



DTNVE 1/6/0,5

- 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 1/6/0,5 |
|--|-------------|---------------------------|
| Testing category according to IEC 61643-21:2000 and EN 61643-21:2001 | | C1, C2, C3, D1 |
| Number of pairs | | 1 |
| Connector type | | Screw terminals |
| Rated operating DC voltage | U_N | 0 ÷ 6 V |
| Maximum continuous operating voltage DC | U_C | 7.2 V |
| Rated load current | I_L | 0.5 A |
| Maximum discharge current (8/20) | I_{max} | 10 kA |
| C2 Nominal discharge current (8/20) | I_n | 1 kA |
| C2 Voltage protection level at I_n | U_p | < 15 V |
| C3 Voltage protection level at 1 kV/μs | U_p | < 9 V |
| D1 Impulse discharge current (10/350) line/PE | I_{imp} | 2.5 kA |
| D1 Total impulse discharge current (10/350) | I_{Total} | 5 kA |
| Response time | t_A | < 30 ns |
| Series inductance per line | | 4.7 μH |
| Parasitic capacitance | C | < 1.5 nF |
| Lightning protection zone | | LPZ 0-1, 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 |
| Modular design | | 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 |
|------------------------------|--|----------------|

Ordering, packaging and additional data

| | | |
|----------------------------------|---|----------------------|
| Mass | m | 45 g |
| Mass (including the packaging) | m | 56 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 | | 8590681123010 |
| Art. number | | 41 313 |



The link in the QR code leads to the online presentation of the **DTNVE 1/6/0,5**. 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



Internal diagram

