

## HDSP 2GDTR/70

- Suitable for increasing the degree of surge protection of data, analogue or signalling lines inside zones LPZ 1 and higher.

Type		HDSP 2GDTR/70
Testing category according to IEC 61643-21:2000 and EN 61643-21:2001		C2, C3, B3
Number of pairs		2
Connector type		Screw terminals
Maximum continuous operating voltage DC X1-9, X3-9, X5-9, X7-9	$U_C$	70 V
Rated load current of line X1-2, X3-4, X5-6, X7-8	$I_L$	0.5 A
C2 Nominal discharge current (8/20)	$I_n$	5 kA
Impulse discharge current (10/350)	$I_{imp}$	1 kA
B3 Voltage protection level X2-10, X4-10, X6-10, X8-10 at 100 V/ $\mu$ s	$U_p$	< 550 V
C3 Voltage protection level X2-10, X4-10, X6-10, X8-10 at 1 kV/ $\mu$ s	$U_p$	< 700 V
Lightning arrester arc voltage (at $I > 1$ A)	$U$	~ 10 V
Lightning arrester's glow discharge voltage	$U$	~ 60 V
Serial resistance of line X1-2, X3-4, X5-6, X7-8	$R$	1.6 $\Omega$
Capacitance X2-4, X6-8	$C$	8 pF
Lightning protection zone		LPZ 1-2, LPZ 2-3
Housing material		Polyamid PA6, UL94 V-0
Degree of protection		IP20
Operating temperature	$\theta$	-40 $\div$ 70 $^{\circ}$ C
Clamp fastening range (solid conductor)		0.2 $\div$ 4 mm <sup>2</sup>
Tightening moment		0,5 Nm
Installation		On DIN rail 35 mm
Operating position		Any
Remote signalling		No
Modular design		No
<b>Designed according to standards</b>		
Requirements and test methods for SPDs connected to telecommunications and signalling networks		IEC 61643-21:2000
Safety of Flammability of Plastic Materials		UL 94
<b>Application standards</b>		
Protection against lightning		IEC 62305:2010

## Ordering, packaging and additional data

Mass	m	67 g
Mass (including the packaging)	m	84 g
Packaging dimensions (H x W x D)		52 x 108 x 83 mm
Packaging value	V	0.47 dm <sup>3</sup>
ETIM group		EG000021
ETIM class		EC000943
Customs tariff no.		85363010
EAN code		8590681185834
<b>Art. number</b>		<b>56 059</b>

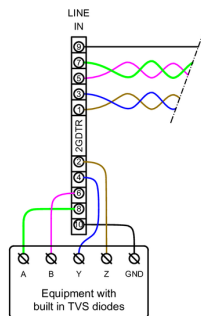


The link in the QR code leads to the online presentation of the **HDSP 2GDTR/70**. There, in addition to the always up-to-date data sheet, you will also find all diagrams and drawings, declarations of conformity, or 2D or 3D models and other necessary materials. For more information, visit [www.hakel.com](http://www.hakel.com)



## Application wiring diagram (installation)

Example of use.  
Increased level of surge protection of equipment with built in TVS diodes.



## Internal diagram

