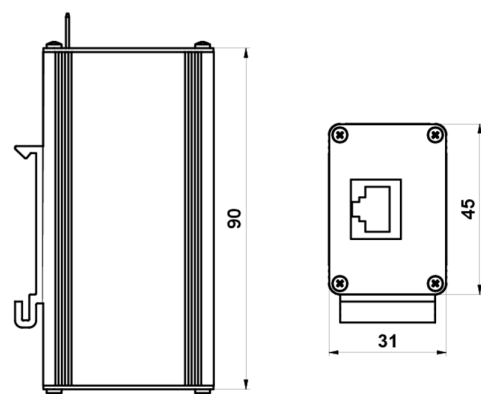




HT-NET PoE 7cat G

- Protection against transient surge overvoltages for four isolated pairs of differential lines with a characteristic impedance of 100 Ω
 - Typical application is the protection of metallic Ethernet lines with transmission speeds up to 10 Gb/s
- Supports all PoE standards (802.3af / 802.3at / 802.3bt).
 - High transmission bandwidth (above 1000 MHz) – high cut-off frequency.
 - Controlled line impedance, low insertion loss, and low return loss.
 - Installation at the interface of zones LPZ0_B and higher.

Type		HT-NET PoE 7cat G
Testing category according to IEC 61643-21:2000 and EN 61643-21:2001		C1, C2, C3, D1
Connector type		RJ45
Maximum continuous operating voltage DC (line/line)	U _C	70 V
Maximum continuous operating voltage DC (line/G)	U _C	70 V
Maximum continuous operating voltage DC (PoE pair/pair)	U _C	70 V
Rated load current of line	I _L	1 A
Cut-off frequency (3 dB attenuation at Z ₀ = 100 Ω)	f _C	> 1 000 MHz
Transmission bandwidth	BW	> 1 000 MHz
D1 Total impulse discharge current (10/350) line/G	I _{Total}	1 kA
C2 Total nominal discharge current (8/20) line/G	I _{Total}	10 kA
C1 Nominal discharge current (8/20) line/G	I _n	0.25 kA
C2 Nominal discharge current (8/20) line/line	I _n	1.25 kA
C2 Nominal discharge current (8/20) line/G	I _n	1.25 kA
C2 Voltage protection level at I _n (line/line)	U _p	< 1 100 V
C2 Voltage protection level at I _n (line/G)	U _p	< 700 V
C2 Voltage protection level at I _n (PoE pair/pair)	U _p	< 1 150 V
C3 Voltage protection level at 1 kV/μs (line/line)	U _p	< 700 V
C3 Voltage protection level at 1 kV/μs (line/G)	U _p	< 450 V
C3 Voltage protection level at 1 kV/μs (PoE pair/pair)	U _p	< 750 V
Lightning protection zone		LPZ 0 _B -1, LPZ 1-2, LPZ 2-3
Housing material		AlMgSi (EN AW 6060)
Degree of protection		IP20
Operating temperature	θ	-40 ÷ 70 °C
Installation		On DIN rail 35 mm
Operating position		Any
Signalling at the device		None
Remote signalling		No
Suitable for use with cabling category according to ISO/IEC 11801		Cat.7 _A /F _A
PoE standards		All

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		
Customs tariff no.		85363010
EAN code		8590681211816
Art. number		57 105



The link in the QR code leads to the online presentation of the HT-NET PoE 7cat G. 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.hakil.com



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Internal diagram

