



HT-NET PoE+ 6cat 802.3at

- Designed for protection and faultless data transmission within computer networks category 6, normative conformity with category 6A / EA, ISO / IEC 11801.
- Possibility to use PoE + according to IEEE 802.3at.
- Protect input electronic circuits of network cards against damage caused by surge effects in the LPZ Concept at the boundaries of LPZ 1 – LPZ 3.
- It is recommended to use at the input of protected equipment.
- Connection via RJ45 connector.
- High transmission speed 500 Mbit/s.

Type	HT-NET PoE+ 6cat 802.3at	
Testing category according to IEC 61643-21:2000 and EN 61643-21:2001	C1, C2, C3	
Connector type	RJ45	
Rated operating DC voltage	U_N	0 ÷ 48 V
Maximum continuous operating voltage DC	U_C	58 V
Maximum continuous operating voltage AC	U_C	41 V
Rated load current	I_L	1 A
C1 Nominal discharge current (8/20) line/line	I_n	0.15 kA
C2 Nominal discharge current (8/20)	I_n	1 kA
C2 Voltage protection level at I_n (line/line)	U_p	< 150 V
C2 Voltage protection level at I_n (line/PE)	U_p	< 700 V
C3 Voltage protection level at 1 kV/ μ s	U_p	< 120 V
Data rate	500 Mbit/s	
Bandwidth	B	0 ÷ 500 MHz
Lightning protection zone	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	
Normative conformity	Kat. 6A/EA, ISO/IEC 11801	
PoE	IEEE 802.3at	
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	140 g
Mass (including the packaging)	m	155 g
Packaging dimensions (H x W x D)		34 x 126 x 88 mm
Packaging value	V	0.38 dm ³
ETIM group		EG000021
ETIM class		EC000943
Customs tariff no.		85363010
EAN code		8590681110379
Art. number		57 102



The link in the QR code leads to the online presentation of the HT-NET PoE+ 6cat 802.3at. 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

