

## ALLNET / ALL-LAN-ISO-4kV, Aislador Gigabit LAN/Bloqueador PoE 4kV

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### EAN CODE



### Highlights:

- Gigabit Ethernet (10/100/1000MBit/s)
- IEEE 802.3ab compliant
- 4kVrms Dielectric strength
- Galvanic isolation: Creepage distance: 12.8mm, Clearance distance: 12.2mm
- no restrictions on cable length
- ESD protection: suppression of transient overvoltages on the signal lines
- suitable for devices with a supply voltage up to 250 Vrms
- **Not suitable for use with PoE devices**
- Dimensions 80x58x24mm

Plug&Play - no installation required

Compact and universally applicable

No permanently mounted cables

Robust housing

Suitable for all systems with one network connection

requires no power supply

### APPLICATIONS:



#### DEVICE PROTECTION

Protection of especially valuable devices against hum and surge voltages from the network periphery.

#### MEASUREMENT TECHNOLOGY

Protection of electrical measuring and monitoring equipment against external and interference voltages from the Ethernet cabling.

#### POTENTIAL DIFFERENCES (BUILDING SERVICES ENGINEERING)

Prevention of equipotential bonding currents in computer systems which are connected by an Ethernet cabling are galvanically connected to each other over longer distances.

#### AUDIO

Reduction of low-frequency alternating voltages (network hum), which are caused by the network connection to an imperceptible degree.

### Technical Details:

Dielectric strength signal and shield	5000 V 50/60 Hz over 1 min; 10.000 VDC over 10 s
Data throughput	10/100/1000 MBit/s
Connections	2x J45 input/output
Network specifications	IEEE 803.2 from 10/100/1000-BaseT, twisted pair, auto-conf. (behaves completely transparent in the network)
Material	94V-0/RoHS compliant/SvHC/REACH
Product Rating (UL)	Passive, electronic components, insulation level DI (250 VAC/300 VDC) tested at 4 kVAC
Operating mode	Continuous operation
Operating time between failures	$0,21 \times 10^8$ (1 failure in 21,000,000 h)
ESD	16 kV
DC Stress-Test (10 s)	10 kV
Return Loss	min. 10 dB
Insertion Loss	max. 1,3 dB
Dimensions (mm, LxWxH)	80 x 58 x 24, ca. 39 g
Standards	IEC 60601-1 1x MOPP up to 250Vrms (the built-in network transformer)
Environment	Operation and storage: -40...+70°C 10...75% rel. humidity non-condensing