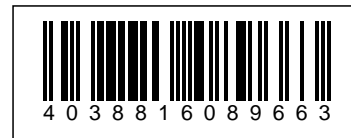


ALLNET / ALL-LAN-ISO-4kV, Gigabit LAN Isolator/PoE Blocker 4kV ALL-LAN-ISO-4kV

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EAN CODE



Key features:

- Gigabit Ethernet (10/100/1000 Mbit/s)
- IEEE 802.3ab compliant
- 4 kVrms dielectric strength
- Electrical isolation: creepage distance: 12.8 mm, clear distance: 12.2 mm
- no restrictions on cable length
- ESD protection: Suppression of transient overvoltages on signal lines
- Suitable for devices with a supply voltage of up to 250 Vrms
- **Not suitable for use with PoE devices**
- Dimensions 80x58x24mm

Plug & Play – no installation required

Compact and universally applicable

No permanently fitted cables

Robust housing

Suitable for all systems with a network connection

Requires no power supply

APPLICATIONS:



EQUIPMENT PROTECTION

Protection of particularly valuable equipment against hum and overvoltages from network peripherals.

MEASUREMENT TECHNOLOGY

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

POTENTIAL DIFFERENTIALS (BUILDING SERVICES)

Prevention of equipotential bonding currents in computer systems that are galvanically connected to one another over long distances via Ethernet cabling.

AUDIO

Reduction of low-frequency alternating voltages (mains hum) caused by the network connection to a level that is no longer perceptible.

Robust housing

suitable for all systems with a network connection

requires no power supply

Technical Details:

Dielectric strength of signal and shielding	5,000 V 50/60 Hz for 1 min; 10,000 VDC for 10 s
Data throughput	10/100/1000 Mbit/s
Connections	2x RJ45 input/output
Network specifications	IEEE 803.2 from 10/100/1000-BaseT, twisted pair, auto-configuration (behaves completely transparently within the network)
Material	UL94V-0/RoHS-compliant/SvHC/REACH
Product Rating (UL)	Passive electronic components, insulation class DI (250 VAC/300 VDC) tested at 4 kVAC
Operating mode	Continuous operation
Mean time between failures	0.21×10^8 (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, approx. 39 g
Standards	IEC 60601-1 1x MOPP up to 250 Vrms (the built-in mains transformer)



Part No.: 168085
Vendor Part No.: ALL-LAN-ISO-4kV

Environment

Operating: -10°C ~ +75°C
Storage: -20°C ~ +75°C
10% ~ 85% relative humidity (non-condensing)