ALL-LAN-ISO-4KV

LAN Gigabit Isolator 4kV

User manual

Safety instructions

Please observe the following instructions:

- Never open the appliance.
- Never carry out an installation during a thunderstorm.
- Ensure that cables are laid so that they are safe to trip over and walk on.
- Never expose the appliance to direct sunlight during operation.
- Never operate the appliance in the vicinity of heat sources.
- Never place the appliance on surfaces that are sensitive to heat.
- Protect the device from moisture, dust, liquids and vapours.
- Do not use the appliance in damp rooms or in potentially explosive atmospheres.
- Do not use cleaning agents containing solvents for cleaning, only a soft, dry anti-static cloth.
- Repairs may only be carried out by trained, authorised personnel.
- ALLNET® accepts no liability for improper use.

Installation and mounting location

General:
The ALL-LAN-ISO-4KV may only be used in dry indoor areas. Ensure adequate ventilation. The installation must be carried out in such a way that the network cable is not under tension, as otherwise it could come loose or the plug could be damaged.

Installation

The ALL-LAN-ISO-4KV must only be connected by qualified personnel. Please instruct a system/network technician to do this. The connection is made via the two plug-in connections (RJ45 sockets). To do this, plug the network connection cable into the sockets of the ALL-LAN-ISO-4KV until the plug engages with an audible "CLICK". The ALL-LAN-ISO-4KV should be installed as close as possible to the device/system.

Maintenance

To determine the safety-related condition, an annual inspection is recommended, which includes the following tests:

1. Check the ALL-LAN-ISO-4KV for external damage (housing, network connections, presence and legibility of labelling, soiling, etc.)
2. Check for penetrating substances, especially liquids.
3. Check the function.
4. Check the insulation. For the test, all data lines and the shield must be short-circuited at both connections. The insulation resistance between the signal input and signal output is measured. When measuring with a commercially available multimeter, the measured value must exceed 20 MΩ.
5. Checking the availability and completeness of the documents.

If a defect is detected during the test, the ALL-LAN-ISO-4KV must no longer be used, as the safety of the user is not guaranteed.

If in doubt, please contact your supplier or the manufacturer.

Cleaning

The ALL-LAN-ISO-4KV is cleaned with a dry antistatic cloth. Make sure that no liquid penetrates the inside of the ALL-LAN-ISO-4KV.

Scope of delivery

- 1x ALL-LAN-ISO-4KV network isolator

Technical description

Type designation	ALL-LAN-ISO-4KV
Operating mode	Continuous operation

Ambient conditions		
Operation	Temperature	-20°C up to +85°C
	Relative humidity	10% to 90% (non-condensing)
Storage	Temperature	-10°C up to +85°C
	Relative humidity	10% to 95% (non-condensing)
Dimensions (LxWxH)		80 x 60 x 25 mm
Weight		100 g
Maximum operating voltage		250 Vrms
Dielectric strength 60s		4.0 kVrms
Supported network protocols		10 Mbit/s 10Base-T 100 Mbit/s 100Base-Tx 1000 Mbit/s 1000Base-T
Interfaces		2x RJ45 socket
Material		UL94V-0 compliant materials RoHs compliant
ESD protection		IEC 61000-4-2 Level 4 ESD Protection
Creepage distance		12.8mm
Air section		12.2mm
Type of insulation		Inductive (galvanic isolation)

CE

Hereby, ALLNET GmbH Computersysteme declares that the device **ALL-LAN-ISO-4KV** is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU. The declaration of conformity can be found at the following address:
http://ce.allnet.de