

User Manual

MI 1005 E Medical Built In Isolator

Intended Use

The MI 1005 E is an appliance especially developed for use in medical technology. The purpose of the MI 1005 is to isolate the Ethernet signal, in compliance with the relevant norms for electrical safety a medical appliance or system equipped with a network interface to a non-medical appliance or system. The MI 1005 E shall be used as a built in device only using standard Harting assembly boxes.

Installation

The MI 1005 E Medical Built In Ethernet Isolator can be mounted into a panel cutout using following standard Harting assembly boxes:

- ▶ Harting Assembly Box Compact (Art.No.: 2006634)
- ◀ Harting Assembly Box Easy Install (Art.No.: 2006635)

The details for panel and case mounting can be obtained from the Harting Assembly box installation instructions.

Maintenance

The MI 1005 E Medical Built In Ethernet Isolator is maintenance-free, when used as intended. For any questions, please contact your supplier.

Environmental Protection

For disposal of the MI 1005 E stipulations subject to public law may involve special instructions. Before the final de-commissioning of the appliance, contact the manufacturer.

Safety instructions

The MI 1005 E is not protected against liquid intrusion. The MI 1005 E may only be used in network environments as specified in the Technical Data listed below.

▶ Technical Data:	
Manufacturer:	Baaske Medical GmbH & Co.KG Lübbecke, Germany
Type:	MI 1005 E
Operating Mode:	Continuous
Operating Temperature:	-10°C to +85°C
Storage Temperature:	-25°C to +85°C
Operating Air Pressure:	700 hPa to 1060 hPa
Storage Air Pressure:	500 hPa to 1060 hPa
Operating Air Humidity:	10% to 90%
Storage Air Humidity:	10% to 95% (not condensing)
Dimensions (L x W x H):	51 x 23.4 x 18.2 mm
Weight:	20 g
Voltage strength between the network connections:	5 kV AC (50/60 Hz 1 min.)
Connection sockets:	2 x RJ45
Material:	UL94V-0 / RoHS compliant
Network specifications:	IEEE 803.2ab 10/100/1000-BaseT, Twisted-Pair, auto-conf
MTBF:	0,21 x 10 ⁸ (1 error in 21 000 000 hrs)
Product rating:	Passive ethernet isolating device, insulation rating DI (250 V AC / 300 V DC) tested at 5 kVAC
Marking:	CE, UL (E342310), RoHS compliant

Meaning of used symbols



Accompanying documents



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