



## MDS-DELTA

- Remote monitoring modules for medical staff to supervisory workplaces.
- Display the status of ungrounded IT power supply systems monitored by HAKEL insulation monitoring devices.
- Display the current insulation status, or current and temperature overload of the isolating transformer.
- Modules are equipped with a STOP ALARM button to stop the acoustic fault signaling.
- Modules are equipped with a TEST button to initiate testing of signalization and internal circuits of the insulation monitoring device.
- Remote monitoring modules meet the standard requirements relating to supervision signalization of the medical insulated power supply system included in the medical premises of group 2. This includes acoustic and optical signaling also.
- Versions are available for surface mounting, mounting onto a switch box and also in a 45 x 45 mm cable tray.

Type		MDS-DELTA
Designed for insulation monitoring device		HIG95, HIG95+, HIG95-DELTA
Power source		External power supply SELF 24 V DC
Nominal supply voltage DC	$U_s$	24 V
Visual signaling of insulation fault		Yes
Visual signaling of thermal and current overload of the isolating transformer		Yes
Acoustic fault signaling		Yes
Possibility to stop the acoustic signaling		Yes
Possibility to run a test of the insulation monitoring device		Yes
Auxiliary signaling module to increase visual warning		No
Maximum number of connectable insulation monitoring devices		1
Degree of protection		IP20
Operating temperature	$\vartheta$	-5 ÷ 55 °C
Installation		For window sill gutter 45 x 45 mm
Operating position		Horizontal
Method of connecting the insulation monitoring device		RS485 bus (ISOLGUARD protocol)
Recommended cross-section of connected conductors	S	0.75 ÷ 1 mm <sup>2</sup>
Recommended back-up fuse		6 A/gG
Power consumption	P	0.5 VA
<b>Designed according to standards</b>		
Insulation monitoring devices for IT systems		IEC 61557-8:2014
Insulation monitoring devices for medical locations (MED-IMD)		IEC 61557-8:2014 annex A
Electromagnetic compatibility (EMC) - Immunity		IEC 61000-6-2:2005
Electromagnetic compatibility (EMC) - Emission		IEC 61000-6-3:2006
Insulation coordination for equipment within low-voltage systems		IEC 60664-1:2007

## Application standards

Low-voltage electrical installations – Medical locations		HD 60364-7-710:2012
Electric installations in rooms for medical use		ČSN 33 2140, TNI 33 2140

## Ordering, packaging and additional data

Mass	m	23 g
Mass (including the packaging)	m	38 g
Packaging dimensions (H x W x D)		56 x 81 x 84 mm
Packaging value	V	0.38 dm <sup>3</sup>
Customs tariff no.		90303370
EAN code		8590681111642
<b>Art. number</b>		<b>70 065</b>



The link in the QR code leads to the online presentation of the **MDS-DELTA**. 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](http://www.hakel.com)



## Application wiring diagram (installation)

