



HIG95/E

- Insulation monitoring devices series HIG95 are devices for monitoring the insulation resistance in hospital applications.
- In addition to the insulation resistance, the IMDs also evaluate the current and thermal load of the IT system and thus meet the requirements for monitoring the medical, isolating protective transformer.
- There is also a number of monitoring panels, thanks to which the requirement for remote status signaling can be easily met. This is a series of MDS.
- The IMDs are equipped with a display for displaying currently measured values. The display together with the buttons is also used to set up the device.

Type		HIG95/E
Monitored IT power supply system type according to IEC 61557-8		AC, MED
Measuring range of insulation resistance	R_F	$5 \div 900 \text{ k}\Omega$
Adjustable range of critical insulation resistance	R_{an}	$50 \div 200 \text{ k}\Omega$
Number of insulation resistance fault levels (R_{an})		1
Rated voltage of monitored IT system (AC)	U_n	230 V
IMD power supply		From measured IT system, From independent power source
Supply voltage range		$90 \div 265 \text{ V}$
Visual signaling of thermal and current overload of the isolating transformer		Yes
Monitoring of current overload of medical transformer		Yes, using product TOM and current transformer
Monitoring of thermal overload of medical transformer		Yes, using product TOM
Supported temperature sensors		1x NC contact, 2x NC contact
Power consumption	P	5 VA
Measuring voltage	U_m	12 V
Measuring current	I_m	< 0.6 mA
Measuring input's internal impedance	Z_i	> 1 000 k Ω
Measuring accuracy		$\pm 10 \%$
Electrical strength against internal circuits		3 750 V
Equipped with display		Yes (OLED technology)
Supported module of distant signalisation (MDS)		MDS10
Communication interface for user		Ethernet bus
Communication protocol		MODBUS TCP
Housing material		Polyamid PA6, UL94 V-0
Degree of protection of front panel		IP40
Degree of protection except the front panel		IP20
Operating temperature	θ	$-10 \div 60 \text{ }^\circ\text{C}$
Protection class according to IEC 61140		II
Recommended cross-section of connected conductors	S	1 mm ²
Installation		On DIN rail 35 mm
Modular width		3 TE

Type		HIG95/E
Operating position		Any
Operation type		Permanent
Designed according to standards		
Insulation monitoring devices for IT systems		IEC 61557-8:2014
Equipment for testing, measuring or monitoring of protective measures		IEC 61557-1:2007
Insulation coordination for equipment within low-voltage systems		IEC 60664-1:2007
Insulation monitoring devices for medical locations (MED-IMD)		IEC 61557-8:2014 annex A
Transformer thermal and current overload monitoring		IEC 61557-8:2014 annex B
Application standards		
Low-voltage electrical installations – Protection against electric shock		HD 60364-4-41:2017
Low-voltage electrical installations – Medical locations		HD 60364-7-710:2012
Ordering, packaging and additional data		
Mass	m	217 g
Mass (including the packaging)	m	245 g
Packaging dimensions (H x W x D)		74 x 112 x 73 mm
Packaging value	V	0.61 dm ³
Customs tariff no.		90303370
EAN code		8590681121061
Art. number		70 928



The link in the QR code leads to the online presentation of the **HIG95/E**. 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

