Contatti REO Italia:
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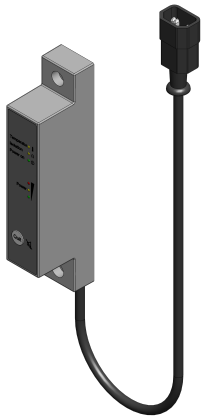
REOMED ISOMONITOR

Equipment



Unique Selling Point

- IEC 60601-1-2 (Edition 4.0)
- Easy to operate
- Audio/Visual alarm
- Functional test
- Display of power consumption (optional)
- Temperature warning (optional)



Description

Normal safety devices used for protection against isolation failures, such as residual- current circuit-breakers (RCD) used in domestic installations, cannot detect isolation breakdown on the secondary side of isolating transformers.
The ISOMONITOR monitors the dielectric resistance between both of the live output- socket terminals of the isolation transformer and earth potential, and generates a warning signal in the event of a fault condition. The insulation resistance is constantly monitored to ensure that it does not drop below a limit of 50 kΩ (25 kΩ). If it does fall below this value, then both an acoustic alarm (sound pulsating at approximately 3kHz and 98 db) and a visual signal (LED display) are generated.
The ISOMONITOR can be connected to one of the socket outlets of the isolating transformer and requires no additional power supply.
Further functional options are monitoring of the temperature of the transformer including audible and visual alarm, as well as a visual display of the transformers power consumption. In case of an fault, the acoustic alarm can be reset via an acknowledgement button; the optical alarm is automatically reset as soon as the fault has been eliminated.

Technical Data

- Input voltage : 115 or 230 V

Last modified: 27.05.2020. All data is provided to the best of our knowledge and awareness and is subject to error and amendment.

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Rated voltage	230	115	[V]
Operation range	200 - 240	100 - 120	[VAC]
Response value	≤ 50	≤ 25	[kΩ]
Response time		< 2	[sec.]
Signal display	Yellow LED (Temperatur)): Transformer temperature limit exceeded (optional) Yellow LED (Isolation): Isolation fault Green LED (Power on): Running Load of the Transfomer (Power): Green LED: 30% (optional) Yellow LED: 60% (optional) Red LED: 90% (optional)		
Acoustic signal	Pulsating in case of isolation fault Continuous is case of temperature fault optimal (optional)		
Ambient temperature	0 ...+40		[°C]
Ambient air humidity	30 ...75		[%]
Protection class	II		
Protection type	IP 20		

The ISOMONITOR has been designed solely for use with REOMED isolation transformers.

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