

Insulation Monitoring device for Industrial Automation applications

IMD SERIES, TYPE IM-04, IM-04_24



- Designed to be used in demanding industrial environments
- Functionality verification has included frequency converter applications
- Measures the insulation resistance and capacitance of AC/DC networks
- Detects also symmetrical insulation faults
- Suitable for different application fields, for example
 - AC drive installations
 - AC installations in demanding environments
 - Service and training facilities
 - DC networks
 - Electric vehicle DC charging stations
 - Marine and traction

Power supply specifications

Nominal Input voltage	110-240 VAC, 110-300 VDC
Line frequency	15 - 460 Hz
Nominal Input voltage (IM-04_24)	24 VDC +/-10%
Nominal Input voltage (CLT-01)	12 VDC

Measurement specification

Maximum input voltage	300 VAC / 300 VDC
Resistance measurement range	1kΩ...1MΩ
Capacitance measurement range	100nF-100uF
System frequency	DC, 10Hz - 500Hz

Alarm contacts with settable limits (potential free changeover)

Alarm contact	5A at 250VAC
Pre-alarm contact	5A at 250VAC

Other functions

Suitable also for frequency converter solutions
Compatible also with 3 phase IT networks

RS-485 serial connection with Modbus RTU for remote monitoring / controlling

Easy and explanatory user interface LEDs and backlit LCD display

Self-testing automatic Periodic

Self-testing immediate With TEST button

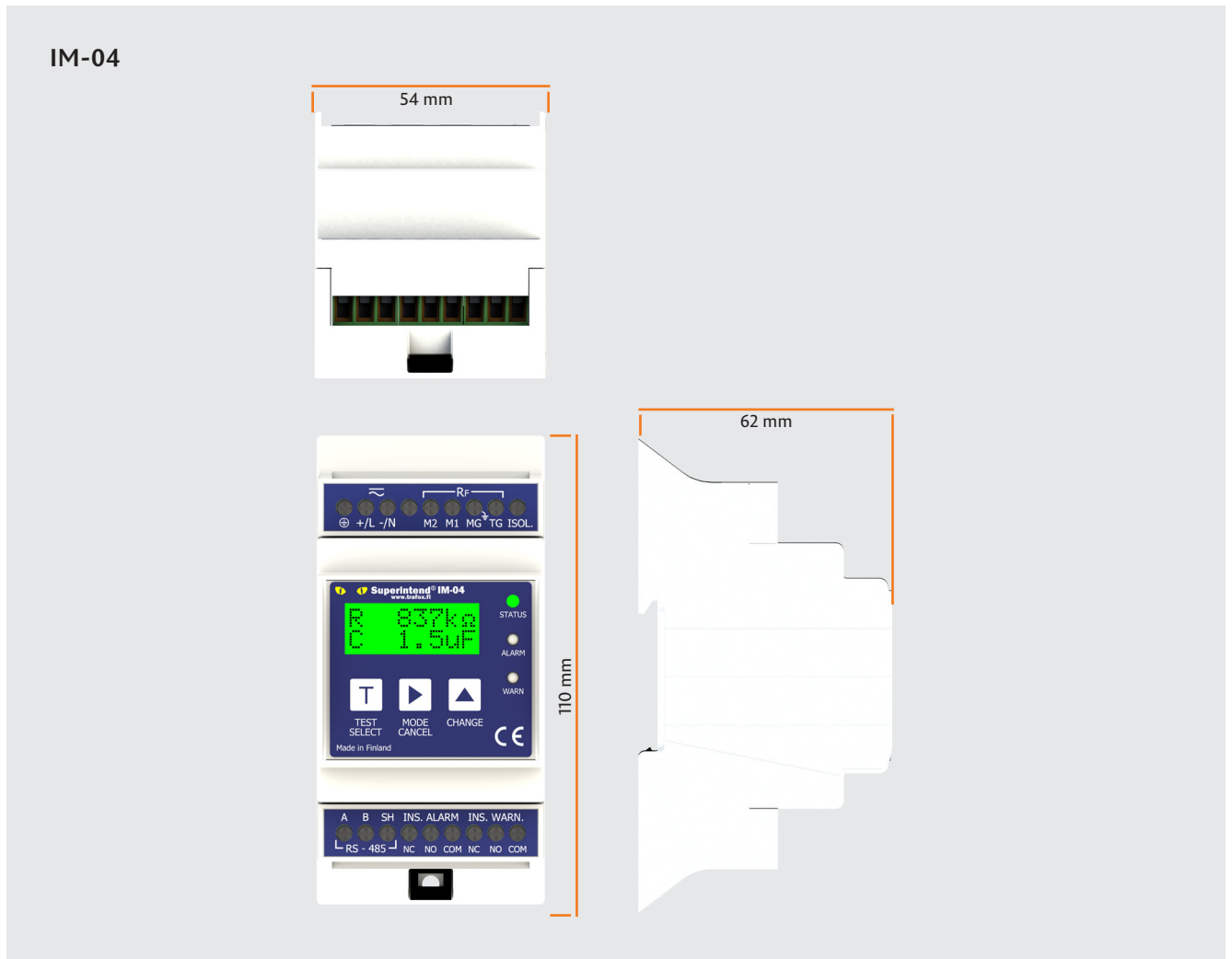
Standards

Measurements	IEC 61557-8:2014
Safety	IEC 61010-1:2010 (3 rd Edition), IEC 60664-1 and IEC 60664-3
EMC	IEC 61326-2-4, CISPR 11 / EN55011, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-11

Marine

General

Dimension (W x L x D)	IM-04	54 x 110 x 62 mm
Case Material	Plastic	
Mounting interface	DIN rail clamp or screw mounting	
Tamb	-25 °C ... + 55 °C	



Muuntosähkö

Trafox is a brand of Muuntosähkö Oy. We develop, manufacture and customise high-quality transformers, chokes, filters and Trafox Superintend® monitoring devices for a large number of applications.

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