

Insulation Monitoring device for Industrial Automation applications

IMD SERIES, TYPE IM-04, IM-04DC



NEW!

- 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 |
| Nominal Input voltage (IM-04DC) | 24 VDC +/-10% |
| Line frequency | 15 - 460 Hz |

Measurement specification

| | |
|-------------------------------|----------------------------|
| Maximum input voltage | 300 VAC / 300 VDC |
| Resistance measurement range | 1k Ω ...1M Ω |
| 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 for remote monitoring / controlling
Easy and explanatory user interface

LEDs and backlit LCD display

Self-testing automatic Periodic
Self-testing immediate With TEST button

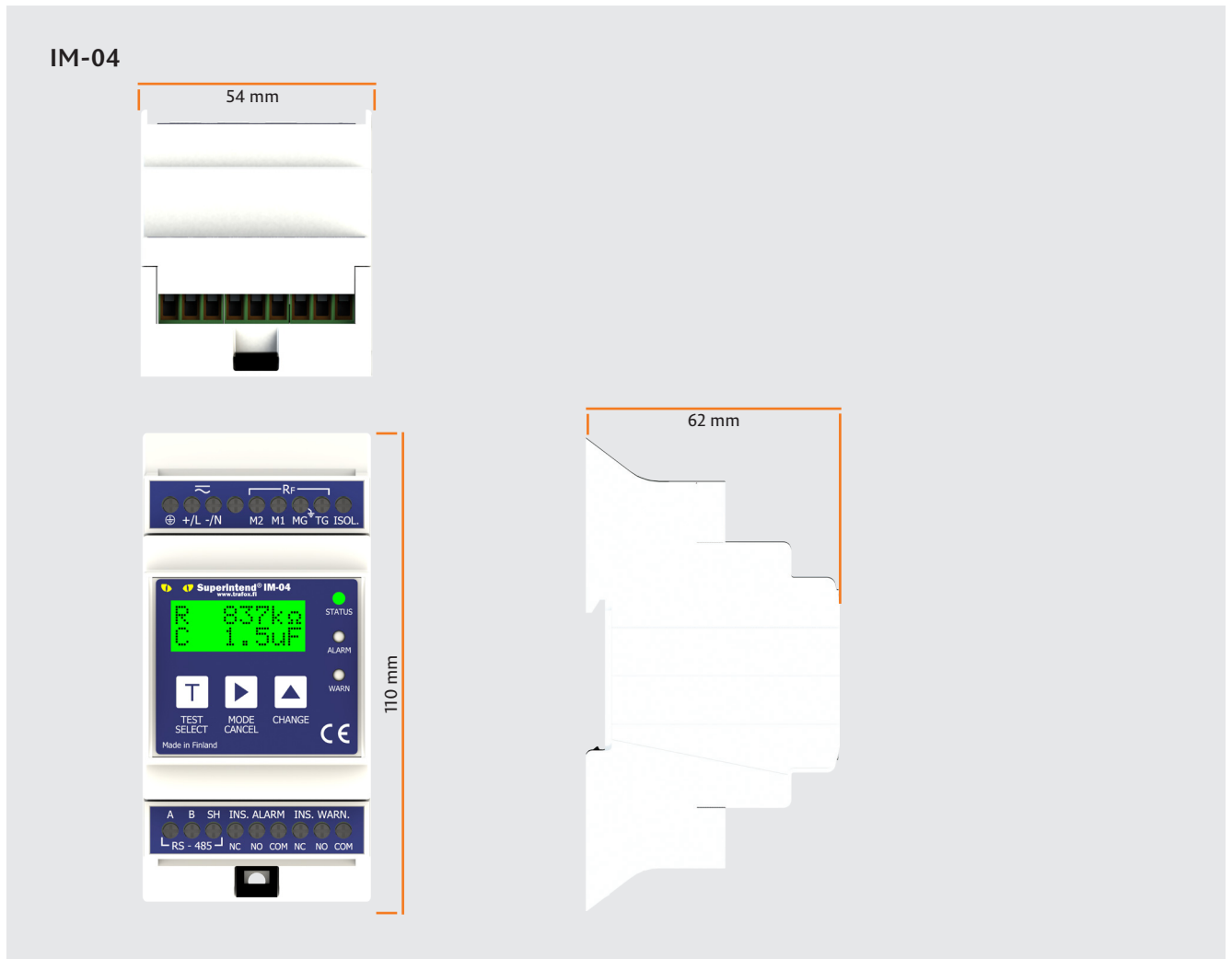
Standards

| | |
|--------------|--|
| 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.

MUUNTOSÄHKÖ OY TRAFIX

P.O. Box 10 | FI-00621 Helsinki | Tel. +358 207 933 700 | Fax +358 207 933 746 | sales@trafox.fi



www.trafox.fi