

Insulation Monitoring device for DC charging station

IMD SERIES, TYPE IM-04DCCT, HVC-10



NEW!

NOW WITH VOLTAGE MEASUREMENT!

- Designed to be used in demanding environments
- Measures the insulation resistance and capacitance of AC/DC networks
- Detects also symmetrical insulation faults
- Suitable for different application fields, for example
 - Electric vehicle DC charging stations
 - DC networks
- Nominal system voltage 0...1000 VDC

- N/C and N/O selectable
- Modbus RTU
- Automatic adaptation to the system leakage capacitance up to 5 μ F
- Selectable start-up delay
- According to the standard IEC 61851-23
- NEW! Measurement of system voltage

Power supply specifications

Nominal Input voltage 110-240 VAC, 110-300 VDC

Line frequency 15 - 460 Hz

Measurement specification

Maximum input voltage 1000VDC / 690 VAC

Resistance measurement range 10k Ω ...1M Ω

Capacitance measurement range 100nF-5uF

System frequency DC, 10Hz - 500Hz

Start-up delay 0...60 s

System voltage measurement 0 - 1000 VDC, 0 - 690 VAC, 0 - 60 Hz

Alarm contacts with settable limits
(potential free changeover, N/C and N/O selectable)

Alarm contact 5A at 250VAC

Pre-alarm contact 5A at 250VAC

Other functions

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 (3rd 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

DC ELECTRIC VEHICLE CHARGING STATION IEC 61851-23

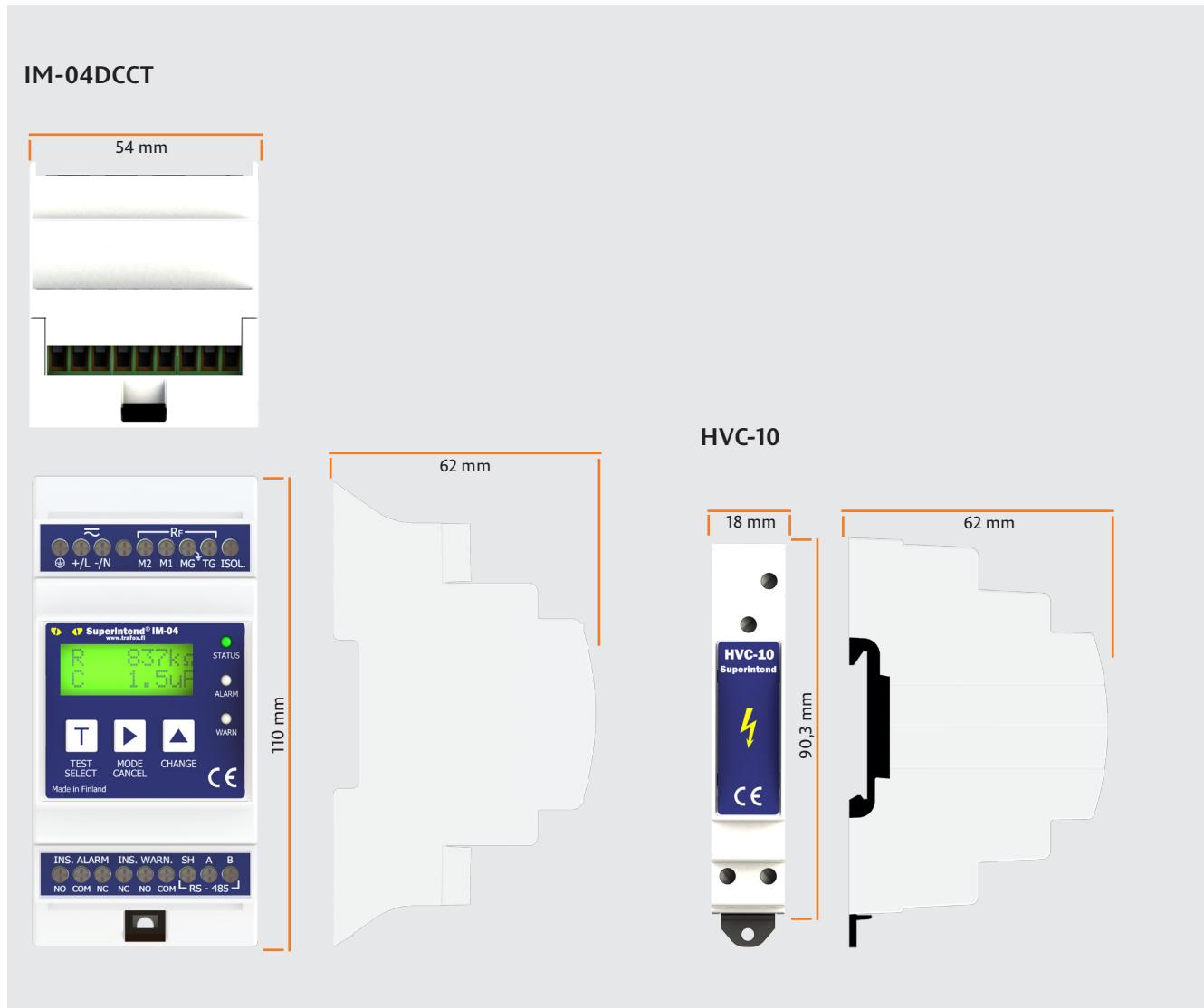
General

Dimension (W x L x D) IM-04DCCT 54 x 110 x 62 mm

Case Material Plastic

Mounting interface DIN rail clamp or screw mounting

Tamb -25 °C ... + 70 °C



Muuntosähkö

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

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