

PROFISAFE | 400 PROFISAFE | 690 Voltage-Continuity Tester

3-349-402-03
1/1.07

- Voltage test
- Phase test
- Polarity test
- Phase sequence indication
- Continuity test
- Rugged housing, safe use even in moist environment, Protection IP 65
- Easy to operate, VDE-GS tested
- Measuring category CAT IV devices



CAT IV



CE

Applicable Regulations and Standards

IEC 61010-1/EN 61010-1/ VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use – General requirements
DIN EN 61243-3 (VDE 0682 Part 401):1999-09	Two-pole low-voltage detectors up to 1000 V
EN 60529 VDE 0470 Part 1	Test instruments and test procedures Protection provided by enclosures (IP code)
DIN EN 61326 VDE 0843 Part 20	Electrical equipment for measurement, control and laboratory use – EMC requirements

Characteristic Values

Display

9 LEDs for indicating voltage, voltage type AC/DC and polarity as well as continuity, phase and phase sequence

Nominal voltage range

PROFISAFE | 400:

12 ... 400 V AC/DC in increments of 12, 24, 50, 120, 230, 400 V

PROFISAFE | 690:

24 ... 690 V AC/DC in increments of 24, 50, 120, 230, 400, 690 V

Frequency range

0 ... 2000 Hz

Current (Peak value, Is)

3.4 mA at 400 V/690 V

Input resistance

PROFISAFE | 400: 117 kΩ
PROFISAFE | 690: 202 kΩ

On-time

30 s

Continuity test

0 ... 500 kΩ

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Ambient Conditions

Reference temperature 20 °C
Operating temperatures -10 ... +55 °C

Power Supply

Voltage tests can be conducted without the integrated solar cell and/or the lithium storage battery as the required energy is taken from the test source.

The power for the other tests is supplied by a lithium storage battery which is continuously recharged by a high-performance solar cell, even under sparse light conditions.

Electrical Safety

Safety class II per IEC 61010-1
Overvoltage category CAT IV per EN 60664-1

Electromagnetic Compatibility EMC

Interference emission /interference immunity EN 61326

Mechanical Design

Protection Housing ABS, IP 65
Extract from table on the meaning of IP codes

IP XY (1 st digit X)	Protection against foreign object entry	IP XY (2 nd digit Y)	Protection against the penetration of water
6	dust-tight	5	water jets

Connecting cable Rubber insulated flexible cable
HO7RN-F, 1m
Dimensions W x L x D: 49 mm x 230 mm x 37 mm
Weight approx. 170 g

Standard Equipment

- 1 Voltage-continuity tester
- 1 Set of operating instructions

Order Information

Description	Type	Article Number
Voltage-continuity tester 12 ... 400 V	PROFISAFE 400	M630E
Voltage-continuity tester 24 ... 690 V	PROFISAFE 690	M630F

Edited in Germany • Subject to change without notice • A pdf version is available on the internet

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