GOSSEN METRAWATT

VL2 E Test Adapter for Testing Devices and Cables with Test Instruments per DIN VDE 0701-0702

3-349-241-03
4/3.12

- **Extensive equipment** with single and 3-phase plug connectors up to CEE 32A, and thus suitable for:
  – All tests per DIN VDE without line voltage for single and 3-phase electrical devices
  – Tests per DIN VDE, as well as function tests, for single and 3-phase extension cables
- **Easy operation** for extension cable function test with rotary selector switch
- **Sensible add-on** for all test instruments per DIN VDE such as the **METRATESTER 5-3P** test case, the **SECUTEST 21F** test panel and the following test instruments:
  – **MINITEST...**,
  – **METRATESTER 4 und 5**,
  – **SECUTEST...**
  – **SECUSTAR FM+**
  – **SECULIFE SB**



Applications

The test adapter is intended for the performance of measurements and testing at electrical devices and extension cables with CEE plug connectors in combination with test instruments.

The following quantities can be tested with the adapter in combination with test instruments which are intended for performance of the respective tests:

Electrical Devices

– Protective conductor resistance
– Insulation resistance (measurement of L1, L2, L3 and N, short-circuited to PE)
– Equivalent leakage current

Extension Cables

– Protective conductor resistance
– Insulation resistance (measurement of L1, L2, L3 and N, short-circuited to PE)
– Easy function test for single and 3-phase extension cables including testing for conductor continuity, short circuiting and polarity reversal (clockwise rotation) with rotary selector switch

Safe, Efficient Work

When performing tests, the adapter's connector cable is plugged into the test socket at the test instrument. The test instrument's probe cable is additionally plugged into the connector socket at the adapter when testing extension cables.

Applicable Regulations and Standards

DIN VDE 0104	Setup and operation of electrical test equipment
IEC 61010-1 DIN EN 61 010-1/ VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use – general requirements
VDI/VDE 3540	Reliability or measuring and control equipment
DIN VDE 0470, part 1	Test instruments and test procedures – degrees of protection provided by enclosures (IP code)

Regulations and Standards for Use of the Test Adapter

	Repair Tests / Periodic Testing	
DUTs to be tested in accordance with the following regulations	DIN VDE 0701-0702: 2008	IEC 62353:2007 DIN EN 62353:2008 (VDE 0751-1)
Electrical devices	•	
Working devices	•	
Mains operated electronic devices	•	
Hand-held electric tools	•	
Extension cables	•	
Data processing devices	•	
Electrical medical devices, application parts		•

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Connectors

Test outlets

CEE 3P+N+PE 32 A 400 V
CEE 3P+N+PE 16 A 400 V
CEE 1P+N+PE 16 A 230 V
Earth contact: 1P+N+PE 16 A 230 V

Test Plugs

CEE 3P+N+PE 32 A 400 V
CEE 3P+N+PE 16 A 400 V
CEE 1P+N+PE 16 A 230 V
Earth contact: 1P+N+PE 16 A 230 V
Inlet plug: 1P+N+PE 16 A 230 V

Electrical Safety

Safety class	I
Measuring category	300 V CAT II
Fouling factor	2

Ambient Conditions

Storage temperature	– 20 °C ... + 60 °C
Operating temperature	– 10 °C ... + 50 °C
Accuracy range	0 °C ... + 50 °C
Relative humidity	Max. 75%, no condensation allowed
Elevation	Max. 2000 m
Deployment	Indoors; outdoors only within the specified ambient conditions

Mechanical Design

Protection	Housing: IP 40 Terminals: IP 20

Excerpt from table on the meaning of IP codes

IP XY (1st digit X)	Protection against foreign object entry	IP XY (2nd digit Y)	Protection against the penetration of water
2	≥ 12.5 mm dia.	0	not protected
4	≥ 1.0 mm dia.	0	not protected

Dimensions	W x H x D: approx. 330 x 230 x 130 mm
Weight	approx. 1.7 kg

Standard Equipment

1 VL2 E test adapter
1 operating instructions

Order Information

Description	Type	Article Number
Test adapter for extension cables	VL2 E	Z745W

For additional information concerning accessories please refer to:

- our Measuring Instruments and Testers catalogue
- our website www.gossenmetrawatt.com

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