

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

3-349-241-03
1/2.03

- **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 METRATESTER®4 und 5 test instruments



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 in accordance with the following standards:
DIN VDE 0701-1:2000 (testing after repair)
DIN VDE 0702 (periodic testing)

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
DIN VDE 0404	Devices for technical safety testing of electrical equipment
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 Instrument

DIN VDE 0701 Part 1 Part 240	Repair, modification and testing of electrical devices General requirements Information technology devices
DIN VDE 0702	Periodic testing of electrical devices
BGV A2 (VBG 4)	Trade association accident prevention regulations

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

Standard Equipment

1 VL2 test adapter
1 operating instructions

Order Information

Description	Type	Article Number
Test adapter for extension cables	VL2	Z600B

Please refer to our Measuring Instruments and Testers catalog for additional information concerning accessories.

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