BENNING

Measuring adapter MA 4, Type: MA4

Order data

Order number	473405 MA4
GTIN	4014651441620
Item class	47A

Description

Version:
Measuring adapter for active and passive testing of 1 and 3-phase equipment up to 32 A.
- **Testing in compliance with DIN VDE 0701-0702, DIN EN 62353, DIN EN 60974-4 and DGUV Regulation 3.**
- **Testing of 1-phase (230 V, 16 A) and 3-phase (400 V, 16 A + 32 A) equipment with CEE connection.**
- **Differential current measurement of 3-phase appliances and machines in operation (MA 4).**
- **Safety and functional testing of CEE extension cables.**
- **Robust and waterproof carrying case (IP 67).**
- **Can be used universally for all 1-phase appliance testers that connect a mains voltage.**

Other measuring functions:
- **Protective conductor resistance and insulation resistance.**
- **Substitute leakage current (protective conductor current/contact current).**
- **Safety and functional testing of CEE extension cables.**
- **Differential current of 1-phase equipment with CEE connection (16 A, 3-pin).**
- **Tripping time/tripping current of PRCDs and RCDs in mobile power distributors.**
- **Commissioning of 3-phase equipment with a max. load up to 32 A.**
- **Differential current measurement of 3-phase appliances/machines in operation.**
- **Testing of 3-phase welding equipment in compliance with DIN EN 60974-4 (VDE 0544-4).**

Application:
Enhance your single-phase appliance tester to enable standards-compliant testing of equipment with a CEE connection (16 A, 3-pin and 16 A + 32 A, 5-pin), e.g. electrical appliances, machines and extension cables.
CEE extension cables are tested via the plug and coupling side so that a complete functional test (continuity/cable break, short-circuit and phase sequence testing) of all conductors is carried out in addition to a safety test (RPE, RISO).
Cutting dataa:

- **CEE test connections: 16 A, 3-pin and 16 A + 32 A, 5-pin.**
- **Shock-proof plug for connecting to the test socket of the appliance tester.**
- **7 status LEDs for evaluating the functional cable test.**
- **Test-object connection diagram in the housing cover.**
- **Robust and waterproof carrying case (IP 67).**
- **Self-test via deliberate IPE fault simulation of 1 mA or 3 mA.**
- **Shock-proof socket for supplying the 1-phase appliance tester.**
- **Mains connection cable (1 m) with CEE connector 32 A, 5-pin.**
- **Dimensions (HxWxD) (mm): 170×410×350**
- **Index of protection: IP67 closed; IP40 open**
- **Differential current (mA): 0.08 - 10**
- **Fault current for appliance tester: N (differential) + PE (direct, 1 kΩ)**
- **Weight (kg): approx. 6**

Attention:
When testing electrical appliances and machines with switching elements that depend on mains voltage (relays, contactors, power supply units, etc.), please note that the passive substitute leakage current measuring method cannot be used.
=> **Existing insulation faults downstream of the switching element will not be detected!**
The differential current transformer integrated in the BENNING MA 4 allows active testing of 3-phase test objects under mains voltage and offers the additional advantage that the test object does not have to be placed onto an insulated surface.

Technical description

Overvoltage category	CAT II 300 V
Standard	DIN EN 61010-1
Standard	DIN EN 61557-6
Cable length	1 m
Type of product	Test prod