

BENNING

MA 4, MA 3

Measuring adapter

NEW!

Measuring adapter for equipment with *CEE connection*

BENNING MA 4, MA 3

Measuring adapter for active and passive testing of single-phase and three-phase equipment up to 32 A

- testing in compliance with VDE 0701-0702, EN 62353, EN 60974-4
- testing of single-phase (230 V, 16 A) and three-phase (400 V, 16 A + 32 A) equipment with CEE connection
- differential current measurement of three-phase appliances and machines in operation (MA 4)
- safety and functional testing of CEE extension cables
- robust and waterproof transport case (IP 67)
- universally applicable for all single-phase appliance testers that connect a mains voltage

duspol@benning.de • Tel.: +49 / (0) 2871 / 93-111

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BENNING MA 4
Item no.: 044162

BENNING MA 3
Item no.: 044159



active testing of a three-phase circular table saw



testing of a mobile power distribution with RCD



testing of a three-phase fan heater



testing of a 5-pin CEE extension

Optional:



Mains connection cable for BENNING MA 4
16 A CEE connector – 32 A CEE coupling, 5-pin
Item no.: 044163

BENNING MA 4, MA 3

Measuring adapter for active and passive testing of single-phase and three-phase equipment up to 32 A

Application:

Enhance your single-phase appliance tester to enable standard-compliant testing of equipment with 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 in addition to a safety test (RPE, Rlnsu) a complete functional test (continuity/cable break, short-circuit and phase sequence testing) of all conductors is carried out.

Tip:

When testing electrical appliances and machines with switching elements depending on mains voltage (relays, contactors, power supply units, etc.), please note that the passive alternative 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 the active testing of three-phase test samples under mains voltage and offers the additional advantage that the test sample does not have to be placed onto an insulated surface.

Supported measuring functions:

(depending on the appliance tester)

- protective conductor resistance and insulating resistance
- alternative leakage current (protective conductor current/contact current)
- safety and functional testing of CEE extension cables
- differential current of single-phase equipment with CEE connection (16 A, 3-pin)
- tripping time/tripping current of PRCDs and RCDs in mobile power distributors

additionally for BENNING MA 4:

- commissioning of three-phase equipment with a max. load up to 32 A
- differential current measurement of three-phase appliances/machines in operation
- testing of three-phase welding equipment in compliance with EN 60974-4

Features:

- CEE test connections: 16 A, 3-pin and 16 A + 32 A, 5-pin
- shock-proof plug for connection to the test socket of the appliance tester
- 7 status LEDs for evaluation of the functional cable test
- test sample connection diagram in the housing cover
- robust and waterproof transport case (IP 67)

additionally for BENNING MA 4:

- self-test via deliberate IPE fault simulation of 1 mA or 3 mA
- shock-proof socket for supplying the single-phase appliance tester
- mains connection cable (1 m) with CEE connector 32 A, 5-pin

Technical data	BENNING MA 4	BENNING MA 3
Safety:	EN 61010-1, EN 61557-16	
Measuring category:	CAT II 300 V	
Dimensions (h x w x d):	170 x 410 x 350 mm	
Protection class:	IP 67 open, IP 40 closed	
Differential current (IPE):	0.08 mA – 10.0 mA	-
Fault current for appliance tester:	N (differential) + PE (direct, 1 kΩ)	-
Weight:	approx. 6 kg	approx. 4.4 kg
Item no.:	044162	044159

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BENNING Elektrotechnik und Elektronik GmbH & Co. KG
Münsterstraße 135-137 • D-46397 Bocholt
Tel.: + 49 / (0) 2871 / 93-111 • Fax: + 49 / (0) 2871 / 93-429
www.benning.de • E-Mail: dupol@benning.de