MARTINDALE ELECTRIC
Keeping You Safe

EZ664

Advanced socket & non-trip earth loop tester

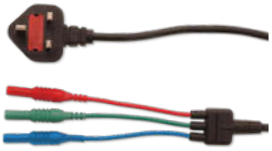
Technical Data











Key features

- Quick & easy mains socket polarity and earth testing
- Non-trip earth loop impedance test
- Red/Green LEDs indicate 28 fault conditions
- High/low voltage indication
- Audible indication
- High-strength magnetic base
- Comes with TL36 unfused 4mm straight leads and a TL207 Mains Test Lead

The EZ664 advanced socket tester not only detects 28 fault conditions and checks the mains voltage level, it also shows how safe the earth wiring is by carrying out a non-trip earth loop test and indicating its value in 6 discrete ranges from less than 1.7Ω to 500Ω.

A low earth resistance is essential for safety disconnection devices to work properly and prevent electrocution when faults occur. In contrast, basic socket testers only detect the presence of an earth, with some products showing an earth connection is good even when resistance values are as high as 500kΩ.

For testing, the EZ664 is connected either via a standard 13 amp plug or via flying leads, ideal when testing at light fittings, fused spurs and terminals. Both lead sets are supplied and connect to the tester by standard 4mm jack plugs.

Pass or fail and fault types, indicated by LEDs, are identified from the table conveniently located on the front of the tester.

The EZ664 is an Advanced Socket Tester as defined by the Health & Safety Executive.

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Specifications

FUNCTION	EZ664
ELECTRICAL	
Nominal operating voltage	230V AC rms
Operating frequency	50Hz
Power consumption	<2.5W
Power	from mains socket under test
Standby	after approx. 10 minutes
Non-trip earth loop impedance ranges	0 - 1.7 - 5 - 10 - 100 - 200 - 500Ω
Earth loop threshold accuracy	± (10% + 0.3Ω)*
Voltage low indication	<195V ± 5%
Voltage high indication	>270V ± 5%
Earth neutral voltage high indication	>30V nominal
Open earth indication	>500Ω ± 10%
GENERAL	
Dimensions	91 x 80 x 38mm
Weight	120g
ENVIRONMENTAL	
Temperature (Operating & Storage)	-10°C to 40°C, at max. 60% RH
Altitude	up to 2000m
Pollution degree	2
Location	For indoor use only
SAFETY	
Conforms to	BS EN 61010-1, CAT III 300V, Class II, Double insulation
EMC	
Conforms to	BS EN 61326-1

* Measurement accuracy can be affected by highly inductive or capacitive loads distributed on the supply

Included

EZ664 instruction manual, TL36 unfused 4mm straight leads, TL207 Mains Test Lead and a TC68 carry case

Related products

EZ668 with additional incoming mains supply polarity reversal check by means of a touch pad and RCD trip test for 30mA RCD's

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