

**MARTINDALE**  
● ● ● **ELECTRIC**

 **CHECK PLUG**

**13A PLUG-IN SOCKET TESTER**

**CP501**

- Quick & easy testing of mains socket wiring
- Detects 28 fault conditions
- Three bright LEDs with simple fault codes
- Tough sculpted design for easy removal

 **CHECK PLUG**

**13A PLUG-IN SOCKET TESTER**

The Martindale Check Plug Socket Tester is designed for the fast and safe checking of 13Amp BS1363 sockets.

Three indicator LED's across the front of the unit provide a clear indication of a correctly wired socket. A total of 32 wiring conditions are revealed, of which 28 are faults that require investigation.

The Check Plug's moulded body gives lasting durability and is maintenance free.

**2 YEAR WARRANTY  
INSTRUCTIONS INSIDE**



Made in Philippines

[www.martindale-electric.co.uk](http://www.martindale-electric.co.uk)

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Ver. 7



# CHECK PLUG

## 13A PLUG-IN SOCKET TESTER

### SAFETY WARNING

Proper safety measures should be taken when working with voltages exceeding 30V AC rms, 42V AC peak or 60V DC. Your socket tester is not intended to replace good electrical practices. This unit must only be used under the conditions and for the purposes for which it has been constructed. Pay attention to these safety instructions, the technical specification and the use of the unit in dry surroundings.

### PRE-TEST CHECK

Visually inspect the tester for any signs of physical damage, e.g. cracks, splits, loose pins or damaged indicators, etc. In the unlikely event of the socket tester sustaining physical damage, it should not be used. For good electrical practice it is recommended that you verify the function of the tester on a known correctly-wired live socket before & after use.

### OPERATING INSTRUCTIONS

Simply plug the Check Plug Socket Tester into a live 13A socket and switch the socket on. Three indicator LED's across the front of the unit provide a clear indication of a correctly wired socket. Fault indications are quickly identified using the key on the face label. Additional information can be found in the table opposite, showing 32 wiring conditions, of which 28 are faults that require investigation. In the event that a fault is indicated, investigation should only be carried out by a suitably qualified electrician.

### STORAGE AND MAINTENANCE

The socket tester should be kept in dry conditions and should be protected from moisture, condensation, physical damage and direct sources of heat. Ensure the unit is dry before use.

Cleaning: After removal from any socket, the unit may be cleaned using a soft, dry cloth. Solvents, liquids, detergents, surfactants and waxes should not be used.

There are no user serviceable parts inside.

### WARRANTY

This item is warranted against defects in materials and manufacture for 24 months from the date of purchase. Return to Martindale Electric if faulty.

Equipment complies with relevant EU Directives

Caution - risk of danger & refer to instructions

Equipment protected by double or reinforced insulation (Class II)

End of life disposal of this equipment should be in accordance with relevant EU Directives

**CAT II** is applicable to test and measuring equipment connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.

Alternating Current (ac)

### TECHNICAL SPECIFICATION

Operating voltage range: 200-250V

Frequency range: 30-70Hz

Power consumption: <1.8W

Temperature range: -10 to 40°C at max, 60% RH

Pollution degree: 2

Power supply: from mains

Open Earth if Earth resistance > 50kΩ nom at 230VAC nom

Open Neutral if Neutral resistance > 50kΩ nom at 230VAC nom

Complies with BS EN61010-1, CATII 300V

N	E	L
Socket Wires		
N	E	L
N	N	L
E	E	L
E	N	L
L	E	N
L	E	E
L	N	E
L	N	N
E	L	L
N	L	L
N	OPEN	L
E	OPEN	L
L	OPEN	E
L	OPEN	N
OPEN	E	L
OPEN	N	L
OPEN	L	E
OPEN	L	N
N	L	E
E	L	E
E	L	N
N	L	N
L	E	L
L	N	L
OPEN	OPEN	L
OPEN	L	OPEN
L	OPEN	OPEN
OPEN	L	L
L	OPEN	L
L	L	OPEN
OPEN	OPEN	OPEN
L	L	L

CP LED's	
OK	● ● ●
Note 1	● ● ●
Note 1	● ● ●
Note 1	● ● ●
LN Reverse	●
LN Reverse	●
LN Reverse	●
LN Reverse	●
LN Reverse	●
LN Reverse	●
LN Reverse	●
No Earth	● ●
No Earth	● ●
No Earth	● ●
No Earth	● ●
N Fault	● ●
N Fault	● ●
N Fault	● ●
N Fault	● ●
LE Reverse	●
LE Reverse	●
LE Reverse	●
LE Reverse	●
LE Reverse	●
EN Fault	
LEN Fault	
LEN Fault	
LEN Fault	
LEN Fault	
LEN Fault	
LEN Fault	
L Fault	

Martindale Electric Company Ltd, Metrohm House, Imperial Park, Imperial Way, Watford, Hertfordshire, WD24 4PP, UK

With reference to table:

Note 1  
EN reversal not detectable.

Note 2  
Investigation required by qualified electrician.

Note 3 Caution!  
Investigate with care. Socket wire(s) may be live, but LED's will not light.  
Investigation required by qualified electrician.

NOTE: This unit, in common with other simple socket testers, cannot detect Earth/Neutral reversal.