Technical Data

Double 13 Amp Socket Outlet with USB Charger

Brief product description:

Free up your sockets using the Metal Clad Socket with USB charger capability ideal for charging iPad, iPhone, tablets, mobiles, cameras and more.

A rugged, scratch resistant range, suitable for everyday use in commercial and industrial environments.

Features:

- A rugged, scratch resistant range, suitable for everyday use in commercial and industrial environments
- 3.1A USB charging output, with charge shared across two outlets. 2 Type A outlets, 3.1A, 5V
- Smart USB - Standby mode when device is fully charged; AutoDetect's the USB device and adjusts charging pattern to suite; protective overload function
- USB charger standby mode when not in use
- Angled colour coded terminals with captive screws

Product Images

MC522U3-01

Technical Specifications

Standard(s)	BS1363-2:2016
ASTA Approval	Licence Number 1182
Rating	13A 240V
Contact Gap	3.0mm minimum
Switch Type	Single Pole
Terminal Capacity - L & N	3 x 2.5mm², 3 x 4.0mm² & 2 x 6.0mm²
RoHS Directive	Yes, Conforms
WEEE Directive	Yes
Mounting Box Depth (Min)	25mm
Fixing Centres	120.6mm
USB Output	5V, 3.1A, shared across both USB ports
Output Tolerance	<5%
Stand-by Power	<75mW
USB Overcurrent Protection	≦3.60A

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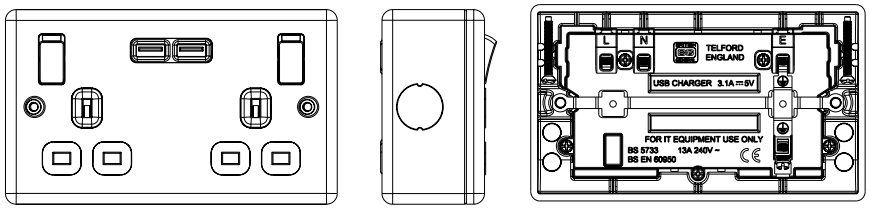
Line Diagrams



Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
MC522U3-01	2g SP, 2xUSB (3.1A)	Eco Blister	Box	Carton	1	5	50	5050765137140	n/a	n/a

Weights & Dimensions

Cat No.	Description	Dimensions (L x W x D) cm				Weight (kg)				CBM (m^3)
		Unpacked Product	Packed Product	Inner Box	Outer Box	Each	Packed Product	Inner Box	Outer Box	Outer Box
MC522U3-01	2g SP, 2xUSB (3.1A)	8.6 x 14.6 x 3.3	11.0 x 23.0 x 3.6	16.7 x 14.2 x 9.3	48.5 x 30.0 x 19.0	0.186	0.198	1.02	10.62	0.02

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Installation Information

Safety Warning

For your safety, this product must be installed in accordance with local building regulations. If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme. Further information is available online or from your Local Authority.

Please read carefully and use in accordance with these safety wiring instructions.

Before commencing any electrical work ensure the supply is switched off at the mains either by switching off the consumer unit or by removing the appropriate fuse.

Wiring should be in accordance with the latest edition of the IET regulations (BS 7671). To prevent fire hazard always use cable of the correct rating, size and type for the application.

Any bare earth wires must be covered with appropriate green/yellow sleeving.

Warning do not exceed the load rating of this device as stated on the rear of the product.

If in doubt consult a competent electrician.

Wire Identification – Twin & Earth Cable

EARTH = Green/Yellow Sleeving

NEUTRAL = Black (pre Apr 04) / Blue (after Apr 04)

LIVE = Red (pre Apr 04) / Brown (after Apr 04)

Technical Helpline: 03300 249 279
If in doubt consult a competent electrician.

The ends of the individual conductors should have the insulation removed by approx.12mm. Any bare earth conductors should be sleeved to within 12mm of the ends.
(These details are for general information only and conductor lengths may need to be trimmed in certain installations).

General Installation Instructions

1) If using the new product to replace an old one, note the cable connections and wire up new product in the same way as the old one, with Earthing as stated in these instructions.
2) Ensure the mounting box (metal or patress) for either flush or surface mounting is the appropriate size for the product.
3) Route the cable through the most suitable entry point of the mounting box. If a metal box is used, a protective cable grommet should be used.
4) Cables should be prepared so a sufficient conductor length reaches the terminals. Strip the ends of the individual conductors so that an adequate length enters the terminals.
5) Carefully arrange the wiring to lie along the edges of the product or box, keeping the central area clear.
6) To assist with the correct installation please consult the appropriate wiring diagram on this leaflet.
7) When connecting the new accessory ensure that only the bare end of the wire enters the terminal, and no bare wires are visible.

Always tighten the terminal screws securely, but do not overtighten.

An earth connection should always be made between the mounting box earth terminal, and the accessory earth terminal, where fitted. If this earth wire is bare, it is essential that it is sheathed with a length of green/yellow sleeving.

8) Carefully position the accessory into the wall box, ensuring that no wires are trapped between the plate and the wall. Do not overtighten the screws. (Fit screw covers + clip-on)
9) Once work has been completed correctly, replace the fuse for the circuit, switch the power back on, and test.

The product is now ready for use.

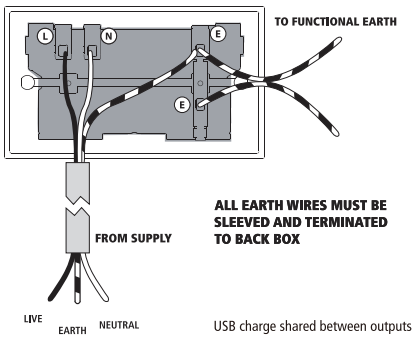
* Note - If your installation uses a four lug metal mounting box, remove the top and bottom lugs or bend fully back.

Twin Earth Fitted

This socket is fitted with with two linked terminals to provide a dual earth facility. This is for use in "clean earth" installations where additional earth capacity is required to comply with Regulation 607 of BS7671 IEE Wiring Regulations. Connect the cables as shown in the diagram.

2 gang Switched Socket Line Drawing

Connect the cables as shown in the diagram.



ALL EARTH WIRES MUST BE SLEEVED AND TERMINATED TO BACK BOX

USB charge shared between outputs

USB Charger Information

- 13A Sockets with USB charging ports for charging mobile devices such as mobile phones, MP3 players an tablets.
- Total charger current can be delivered from one USB socket or divided between outputs as required
- For these 3.1A output chargers, if a device was charging using 1.5A then it would leave the other port with 1.6A.
- The speed of charging will depend on the battery capacity of the device and not charge output of the socket. A device with a battery capacity of 1500mAh will not charge any faster with a 3.1A charger compared to a 2.1A charger.
- The total output current achieved is dictated by the specific device being charged and other external factors, such as the quality of the charging cable being used
- When not in use, the USB sockets are in a low energy standby mode.
- The USB circuits on this socket are designed to withstand insulation resistance tests at 500V

Note - The front surface of this product may become warm in use. This is normal and not cause for concern.