Technical Data
13 Amp Socket Outlet with USB Charger

Screwless Flatplate Socket with USB Charger

Brief product description:
Nexus Flatplate Screwless Socket with USB charger capability ideal for charging iPad, iPhone, tablets, mobiles, cameras and more

Features:
- 2 gang switched socket with outboard rockers
- 2 x Type A USB sockets - 2.1A total output, 5V
- Stylish modern profile
- Covers to conceal fixing screws
- Colour coded terminals with backed out captive screws for easy installation
- Twin earth fitted as standard
- Ideal for retrofit, fits 35mm box. Also supplied with a 10mm spacer for 25mm boxes.
- USB charger stand-by power made when not in use

Product Images

Technical Specifications

| Standard(s) | BS 5733 BSEN 60950
ASTA approved, licence 1182 |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Rating</td>
<td>13 Amp 240V~</td>
</tr>
<tr>
<td>Contact Gap</td>
<td>3.0mm minimum</td>
</tr>
<tr>
<td>Switch type</td>
<td>Single pole</td>
</tr>
<tr>
<td>Terminal Capacity - L &amp; N</td>
<td>3 x 2.5mm² 3 x 4mm² 2 x 6.0mm²</td>
</tr>
<tr>
<td>RoHS Directive</td>
<td>No</td>
</tr>
<tr>
<td>WEEE Directive</td>
<td>No</td>
</tr>
<tr>
<td>Mounting Box Depth (Min)</td>
<td>35mm (10mm spacer for 25mm box)</td>
</tr>
<tr>
<td>Fixing Centres</td>
<td>120.6mm</td>
</tr>
<tr>
<td>Size</td>
<td>146.5mm x 86mm x 35mm</td>
</tr>
<tr>
<td>USB Output</td>
<td>5V . . . 2.1A (output shared across two ports)</td>
</tr>
<tr>
<td>Output Tolerance</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Stand-by Power</td>
<td>&lt;50mW</td>
</tr>
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**13 Amp Socket Outlet with USB Charger**

**Line Diagrams**

**Installation Information**

**Safety Warning**
Before use please read carefully and ensure 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.

**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)

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.

**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 plastic) 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.
8. 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.

9. 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)
10. 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.

This socket is fitted 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. 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.

**USB Charger Information**

Twin switched 13A socket with 2 x USB ports for charging mobile devices such as mobile phones, MP3 players and tablets.

- **2.1A 5V output from the USB outputs**
  - Total charger output current is 2.1A. This can be delivered from one USB socket or divided between the two as required.
  - A device needing 1.5A would leave the other port at 0.6A, so devices may charge more slowly than with a normal single plug charger.
  - The total output current achieved is dictated by the specific device being charged and other external factors, such as the quality of charging cable being used.
  - Overload protection for connected devices.

Low energy stand by mode

- **When not in use the USB sockets are in a low energy stand by mode.** The USB circuits on this socket are designed to withstand insulation resistance tests at 500V. A reading of 0.4mΩ ±0.05 is typically caused by the USB sockets.

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