

## WxSS82xxx-USBCC

13A Socket w/ USB C+C Power Delivery

## WMSS82x-USBCC

## WRSS82xxx-USBCC

## WFSS82xxx-USBCC

## WPSS82-USBCC

Solysta 2 Gang DP 13A Switched Socket with 2 port USB C+C, Power Delivery



## Safety instructions



Electrical devices must only be installed by a competent person (e.g. qualified electrician) in accordance with these instructions and in compliance with the installation standards and directives of the country and the latest edition of the IET regulations (BS 7671). Sockets should be protected by a suitable RCD device. Failure to comply with these installation instructions may result in damage to the device, fire or other hazards. These instructions are an integral component of the product and must be retained by the end user.

## Design and layout of the device

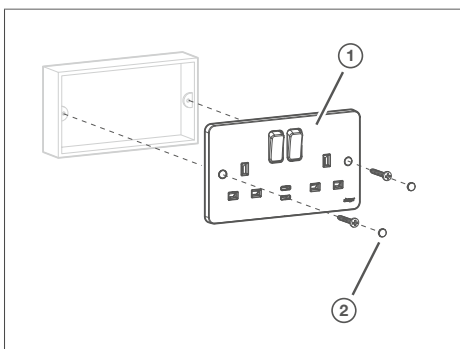


Fig. 1: Design and layout of the device

- ① 2 Gang DP 13A Switched Socket with 2 port USB C+C
- ② Screw caps (only available with WMSS82-USBCC)



References WF\* are supplied with a 10mm spacer (WMUSBS) for use when mounting on a 25mm recessed back box.

### Correct use

- The USB connections are suitable for charging most portable electronic devices via a USB-C connector.
- The USB ports are used exclusively for power supply. No data is transferred.
- Only suitable for indoor use.

### Product characteristics

- USB ports short circuit and overload proof (electronic protection)
- USB ports type C

## Application

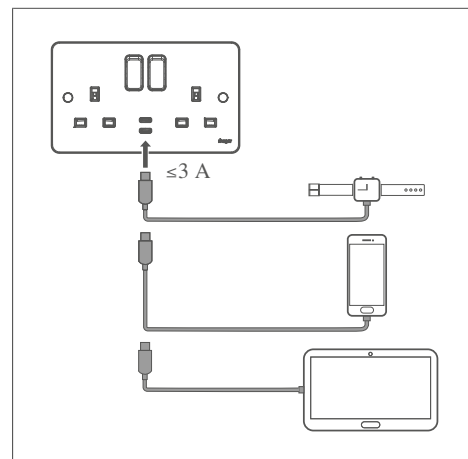


Fig. 2: Connect devices



### Caution

The use of non-standardised charging cables and connectors can cause device malfunctions. The devices may be destroyed.

- Use only approved charging cables and connectors.



If devices are connected to the USB charging socket with their original charging cables, the charging socket can recognise the devices and regulate the charging current.

If an 'electric load' of more than 3.0A or two 'electric loads' of more than 3.0A are connected to the USB ports, the charging current is interrupted for safety reasons. The electronic overload protection interrupts the charging operation.

### Charging portable devices

- Connect a compatible USB type C charging cable to one of the two USB ports. Charging will commence automatically.



If two devices are connected, the charging time may be longer as the charging current is divided between the two ports.

Note the manufacturer's specifications for the connected device for the charging time and the charging characteristics of the batteries.



Danger

Electric shock when live parts are touched!  
An electric shock can lead to death!

- Isolate all connection cables before working on the device and cover any live parts in the area!

Connecting and installing the device

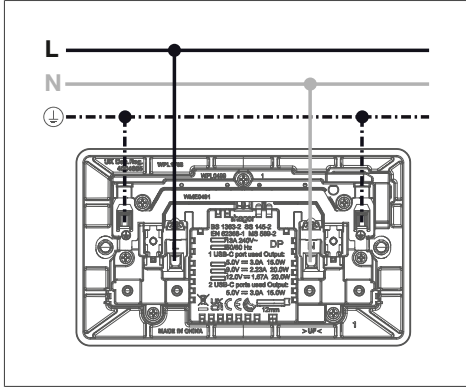


Fig. 3: Electrical connection

- Connect the device (1) according to the diagram (Figure 3).
- Place the device on the back box ensuring no wires are trapped and secure installation using screws provided.



Caution

Possible damage to the device or spurious insulation readings.

The device may be destroyed.

- Disconnect the device before carrying out insulation resistance testing.

Technical data



| Socket                                      |                        |                                                                          |      |      |
|---------------------------------------------|------------------------|--------------------------------------------------------------------------|------|------|
| Standard                                    |                        | BS 1363-2:2023                                                           |      |      |
| Earth                                       |                        | Twin Earth                                                               |      |      |
| Switching                                   |                        | Double pole                                                              |      |      |
| Connecting terminals                        |                        | 3 x 2.5mm<br>3 x 4mm<br>2 x 6mm                                          |      |      |
| Installation requirements, min. box depths: |                        |                                                                          |      |      |
| Raised sockets (WM*, WR*, WP*)              |                        | 25mm                                                                     |      |      |
| Flat sockets (WF*)                          |                        |                                                                          |      |      |
| - with spacer                               |                        | 25mm                                                                     |      |      |
| - without spacer                            |                        | 35mm                                                                     |      |      |
| Degree of protection                        |                        | IP20                                                                     |      |      |
| Operating temperature                       |                        | -5 ... 35°C                                                              |      |      |
| Storage/transport temperature               |                        | -25 ... 70°C                                                             |      |      |
| Input voltage                               |                        | 230V AC                                                                  |      |      |
| Input frequency                             |                        | 50/60Hz                                                                  |      |      |
| Rated current per socket outlet             |                        | 13A                                                                      |      |      |
| USB connections                             |                        |                                                                          |      |      |
| USB socket, type C                          | Operation with 2 ports | Operation of one port                                                    |      |      |
| Output voltage [V]                          | 5.0                    | 5.0                                                                      | 9.0  | 12.0 |
| Max. output current [A]                     | 3.0                    | 3.0                                                                      | 3.0  | 2.25 |
| Max. output-power [W]                       | 15.0                   | 15.0                                                                     | 27.0 | 27.0 |
| Average active efficiency [%]               | 84.0                   | 84.0                                                                     | 87.0 | 87.0 |
| Efficiency at low load (10%) [%]            | 73.0                   | 73.0                                                                     | 76.0 | 76.0 |
| No-load power consumption                   |                        | ≤ 100mW                                                                  |      |      |
| Number of ports                             |                        | 2                                                                        |      |      |
| Input current                               |                        | max. 0.4A                                                                |      |      |
| Intelligent charging                        |                        | Yes                                                                      |      |      |
| Charging protocols                          |                        | USB PD 3.0, PPS, QC4, QC4+, AFC, FCP, SCP, BC1.2, Apple 2.4A, Samsung 2A |      |      |

Disposal note



Correct Disposal of this product (Waste Electrical & Electronic Equipment).

(Applicable in the European Union and other European countries with separate collection systems).

This marking shown on the product or its documentation indicates that it should not be disposed of with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this device from other types of waste. Recycle the device responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this device for environmentally safe disposal.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.



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