

## Description

The Ekinex EK-PW2-UK and EK-PW2-UK-USB model British standard socket outlets are 13 A, 250 V ~ 50/60 Hz G-type wall-mounted devices for powering household appliances. The EK-PW2-UK-USB model is equipped with a USB power supply unit, with both type-A and type-C connectors. These are useful for recharging mobile phones and in general all electronic devices that can be recharged using USB sockets of the same type. Simultaneous charging of two devices is allowed. Both socket models are equipped with two 2P switches.

## Functional characteristics

- Connection of home devices with AC 250 V ~ voltage
- Contacts protected by shutters
- Mounting on rectangular wall box
- Terminals for cables with section up to 4.0 mm² - 11 AWG
- USB Type-A and Type-C ports (only for EK-PW2-UK-USB) for charging electronic devices such as smartphones, tablets, etc.

## Technical data

- Max. rated input voltage: AC 250 V ~
- Max. rated input current: 13 A
- Network frequency: 50/60 Hz
- Enhanced contact protection (shutter)
- USB output voltage (only for EK-PW2-UK-USB): DC 5 V, 9 V, 12 V
- USB output current (only for EK-PW2-UK-USB): 3.0 A @ 5V, 2.22 A @9V, 1.67 A @ 12V if both ports are connected;
- USB output power (only for EK-PW2-UK-USB): 18.0 W Max. total
- Standby power (only for EK-PW2-UK-USB): ≤ 50mW
- Energy efficiency (only for EK-PW2-UK-USB): 83%
- Operating temperature: -10 ... +40 ° C (indoor use)
- Storage / transport temperature: -20 ... +50 ° C
- Protection degree : IP 20
- Safety class 2 (double insulation)
- Connection type: solid or stranded cable with 1.5 ... 4.0 mm² section (15 ... 11 AWG)
- Recommended tightening torque: 1.0 Nm
- Connection type: screw
- Mounting depth: min. 40 mm
- Housing in plastic material
- Dimensions (LxHxP): 112 x 52 x 22.5 mm (EK-PW2-UK), 112 x 52 x 40 mm (EK-PW2-UK-USB)

## Completion, delivery and accessories

Plates and frames are available for mounting on rectangular UK flush-mounting boxes for for plasterboard or concrete wall.

The plates are available in the Proxima and Deep series, with magnetic hooks and in several colors and finishing options.

The ordering code for a coloured plate is formed by a fixed part (EK-P2A-R or EK-D2R-UK) and a variable part depending on the colour.

| Socket type | Series  | Code              |
|-------------|---------|-------------------|
| All         | Proxima | EK-P2A-R-... (*)  |
|             | Deep    | EK-D2R-UK-... (*) |

(\*) code to be completed with the extension for colour

The front cover is different for USB or non-USB models.

The ordering code for a coloured cover of the socket is formed by a fixed part (EK-PSC-2UK or EK-PSC-UK-2USB) and a variable part depending on the colour.

| Socket type   | Series | Code                |
|---------------|--------|---------------------|
| EK-PW2-UK     | All    | EK-PSC-2UK-... (*)  |
| EK-PW2-UK-USB |        | EK-PSC-2UK-U... (*) |

(\*) code to be completed with the extension for colour



**Note.** The plate and the cover for completing the device must be ordered separately. For more information on available materials, colours and finishes, see also the ekinex® product catalog or browse [www.ekinex.com](http://www.ekinex.com).

## Important Safety advices



Read this instruction sheet carefully before installing and using the device.

The electrical connection of the appliance can only be performed by qualified personnel. Incorrect installation can cause electric shock or fire. Before making the electrical connections, make sure you have turned off the mains voltage, to avoid injury from electric shock.

To avoid fire, electric shock or personal injury, do not immerse the cables, socket or device to be charged (for EK-PW2-UK-USB model only) in water or other liquids.

Do not open the device and do not remove its components in any way. Do not try to repair the device yourself. Any repair work on the appliance can only be performed by qualified personnel.

Install the device only indoors and in dry places, with ambient temperatures between -10 ° C and +40 ° C.

Use flush-mounting boxes for wall installation with a minimum depth of 40 mm.

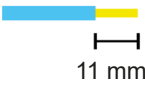
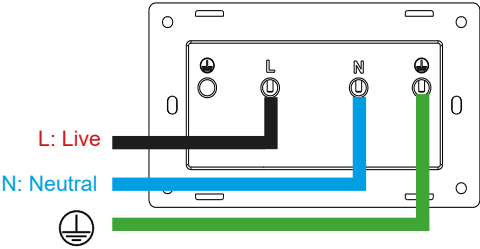
The length of the USB cable should be less than 3m. Please read the instruction manual of the device to be recharged to ensure that it can be used with the power supply (for EK-PW2-UK-USB model only).

The manufacturer is not responsible for radio or TV interference caused by unauthorized modifications.

This device is not a toy: do not allow children to use them and do not allow any object to be inserted into the socket.

This device is not intended to be used by people with reduced physical, sensory or mental abilities, nor by people without experience or knowledge of the instructions described here. Therefore they must be instructed and supervised by a person responsible for their safety.

## Electrical wiring and mounting



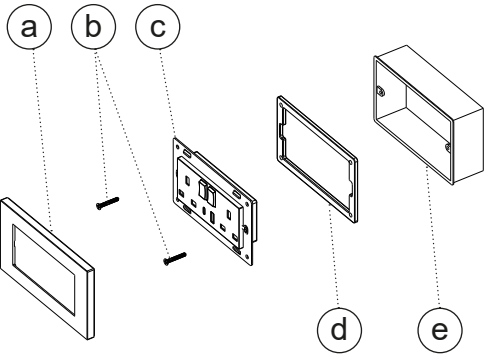
Wiring scheme for both models

| Cable color          | Meaning       |
|----------------------|---------------|
| Brown / black / grey | L = Live wire |
| Blue                 | N = Neutral   |
| Yellow + green       | PE = Ground   |

The devices have degree of protection IP20, and are therefore suitable for use in dry interior rooms. The installation of the devices requires to perform the following steps:

- for Deep series installation only, please insert the rubber thickness (d) between the socket (c) and the recessed wall box (e) equipped with special holes;
- using a wire-stripper tool, remove approximately 11 mm of insulation for each of the 3 power cables;
- insert the 3 cables into the terminals as indicated in the wiring scheme picture and fix each of them, tightening the corresponding screw with a screwdriver; please use a tightening torque of 1.0 Nm;
- screw the socket (c), with the eventual rubber thickness (c + d) to the flush wall-mounting box (e) by using the supplied pair of screws (b);

- Place the plate on the metal support of the socket (c), using the magnetic hooks (a).

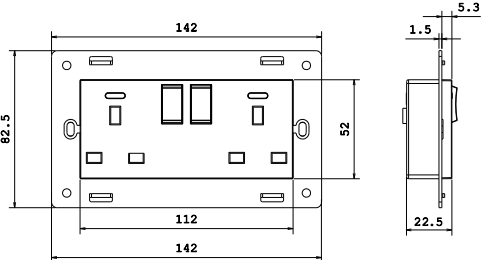


- a) Plate for double socket with magnetic hooks
- b) Screws (for metal support)
- c) Socket device with assembled metal support
- d) Rubber thickness (for Deep series installation only)
- e) Rectangular 2-gang UK flush-mounting box (not delivered by ekinex)

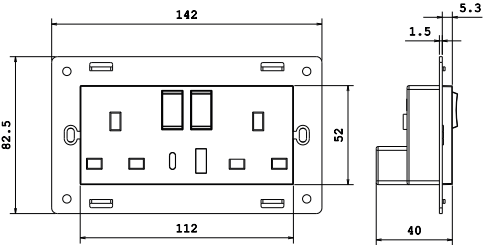


**Note.** The rubber thickness (supplied with the plate) is only used in the Deep series configuration. Place it between the flush-mounting box and the assembled support of the socket.

## Dimensions [mm]



EK-PW2-UK



EK-PW2-UK-USB

## Marks

- CE, UKCA

- This devices comply with the RoHS 2011/65/EU Directive and subsequent modifications, and the REACh Regulation (EC) n. 1907/2006

- The following harmonised standards and technical specifications have been applied: BS 1363-2:2016+ A1:2018, EN 55032:2015/A1:2020, EN IEC 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021, EN 55035:2017/A11:2020

## Maintenance

The device is maintenance-free. To clean use a dry cloth. It must be avoided the use of solvents or other aggressive substances.

## Disposal



At the end of its useful life the product described in this datasheet is classified as waste from electronic equipment in accordance with the European Directive 2012/19/EU (WEEE recast), and cannot be disposed together with the municipal undifferentiated solid waste.



**Warning!** Incorrect disposal of this product may cause serious damage to the environment and human health. Please be informed about the correct disposal procedures for waste collecting and processing provided by local authorities.

## Warnings

- Installation, electrical connection, configuration and commissioning of the device can only be carried out by qualified personnel in compliance with the applicable technical standards and laws of the respective countries
- Opening the housing of the device causes the immediate end of the warranty period
- In case of tampering, the compliance with the essential requirements of the applicable directives, for which the device has been certified, is no longer guaranteed
- ekinex® defective devices must be returned to the manufacturer at the following address: EKINEX S.p.A. Via Novara 37, I-28010 Vaprio d'Agogna (NO) Italy

## Other information

- The instruction sheet must be delivered to the end customer with the project documentation
- For further information on the product, please contact the ekinex® technical support at the e-mail address: [support@ekinex.com](mailto:support@ekinex.com) or visit the website [www.ekinex.com](http://www.ekinex.com)
- Each ekinex® device has a unique serial number on the label. The serial number can be used by installers or system integrators for documentation purposes and has to be added in each communication addressed to the EKINEX technical support in case of malfunctioning of the device

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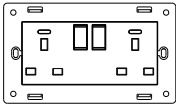
EN

British standard 2-gang switched socket  
British standard 2-gang switched socket  
with Type-A and Type-C USB charger

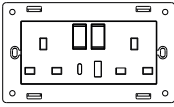
Codes: EK-PW2-UK / EK-PW2-UK-USB



Instructions



EK-PW2-UK



EK-PW2-UK-USB

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