

Florence SCHUKO socket outlets

Florence frame

OneKeyElectro

DATA SHEET AND OPERATION MANUAL





SCHUKO Socket outlets

1E1010130x-E, 1E1020130x-E, 1E1050130x-E

Purpose of the product

This product is designed to supply single-phase electrical loads for household and similar purposes with a voltage of 250V AC. The installation of the socket is carried in rooms with no special safety requirements or restrictions.

- Connection terminals according to EN 60884-1:2002
- Increased contact protection according to EN 60884-1:2002 (for 1E1010130x-E)

WARNING!

All group lines where sockets are connected must be protected by a residual current device (RCD) with a residual current not exceeding 30mA.

Sockets with earthing contact and shutters 1E1010130x-E are designed for installation in apartments, residential premises, rooms for children and children's institutions.

Sockets with earthing contact without shutters 1E1020130x-E, 1E1050130x-E are designed for installation in premises (office, administrative, etc.) not connected with the presence of children.

Technical specifications

Rated voltage	250 V~
Rated current	16A
Type of terminals	screw
Number of wire entry holes per output	2
Connected wire cross section	2.5 mm ²
Degree of protection	IP20
Front plate/cover frame material	polycarbonate
Front plate/cover frame Colors	white beige gray black
Distance between fixing screws	standard 60 mm
Dimensions	see below
Storage temperature	-5 °C ... +40 °C

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	1E1010130x-E, 1E1020130x-E, 1E1050130x-E

Florence SCHUKO socket layout

For 1E1010130x-E, 1E1020130x-E, 1E1050130x-E

To install the finished product, a socket with a front plate is required, as well as a cover frame (ordered separately). See frame selection table below.

Socket layout examples:

SCHUKO socket with front plate 1E10101301-E, 1E10201301-E	+	Beige cover frame 1E52101301-E	=	Socket assembly
	+		=	
SCHUKO socket with front plate and lid 1E10501301-E	+	Beige cover frame 1E52101301-E	=	Socket assembly
	+		=	

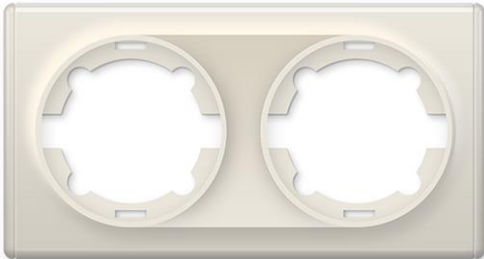
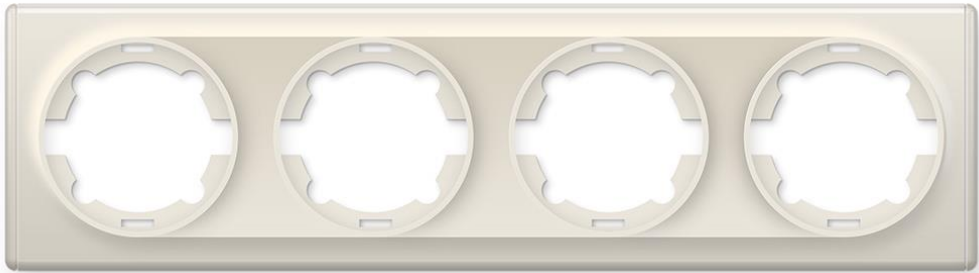
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The product is designed to be installed in standard wall-mounting boxes to DIN 49073 with a distance between the fixing screws of 60 mm and a minimum depth of 40 mm (not included in package).

To fix the device into the wall, a metal support ring and claws, adjustable with screws, are used.

Installation: flush mounted

If it is necessary to install up to five devices in a row, you can choose from the following Florence cover frames (to be ordered separately):

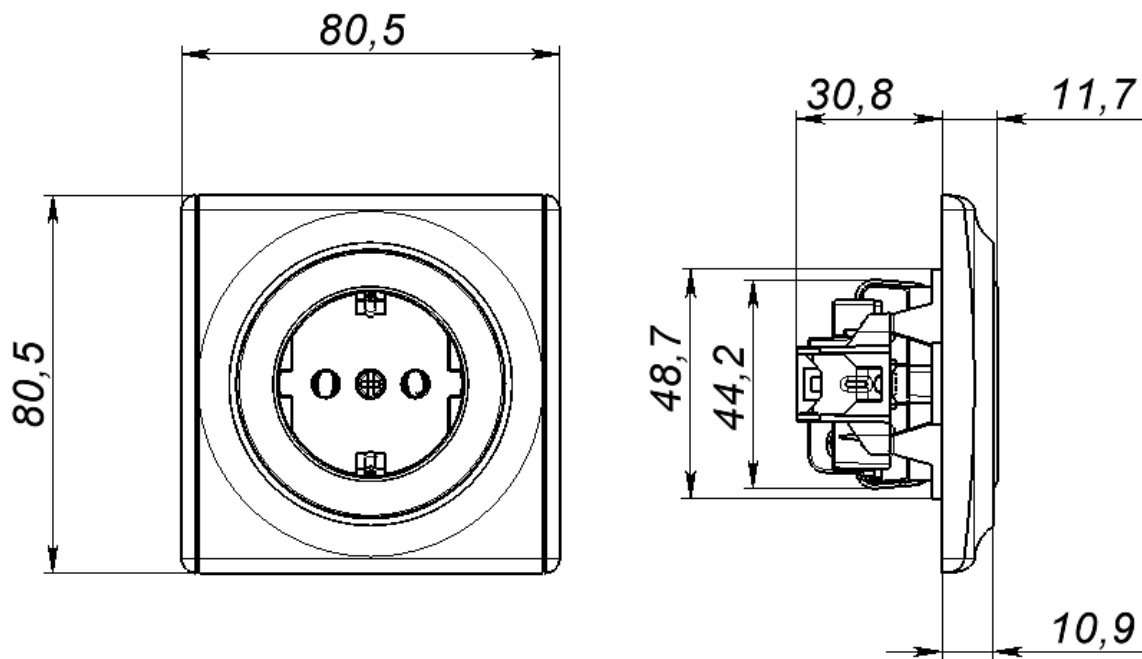
1-gang frame	
2-gang frame	
3-gang frame	
4-gang frame	

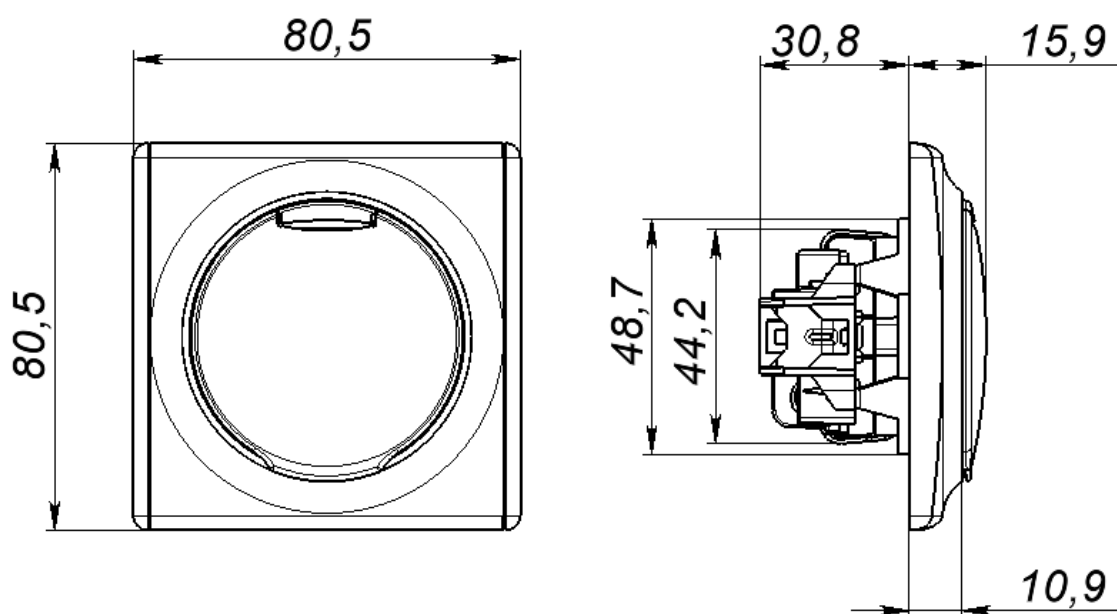
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5-gang frame	
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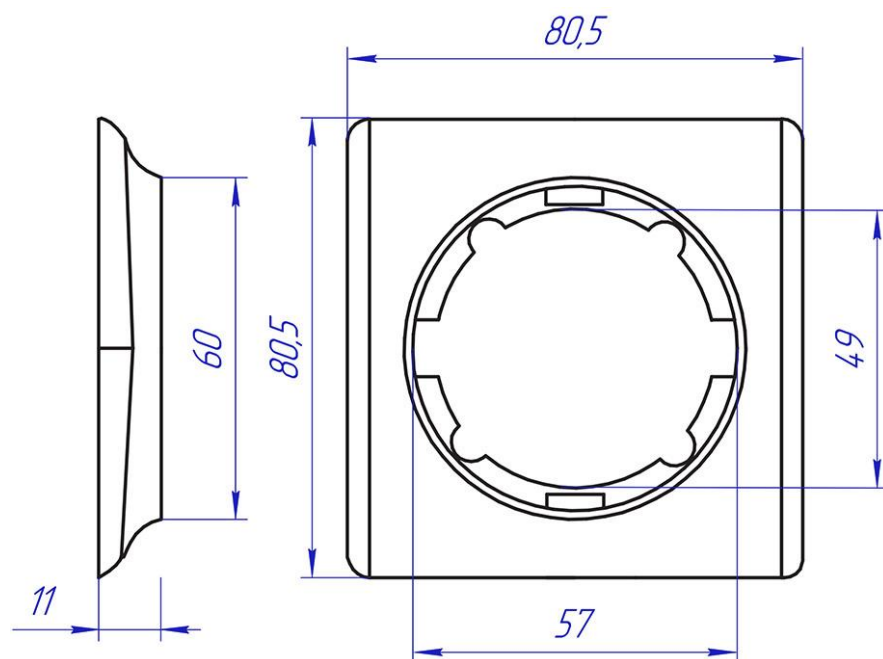
Installation dimensions of sockets and cover frames

Socket with Florence frame assembly (for 1E1010130x-E, 1E1020130x-E):



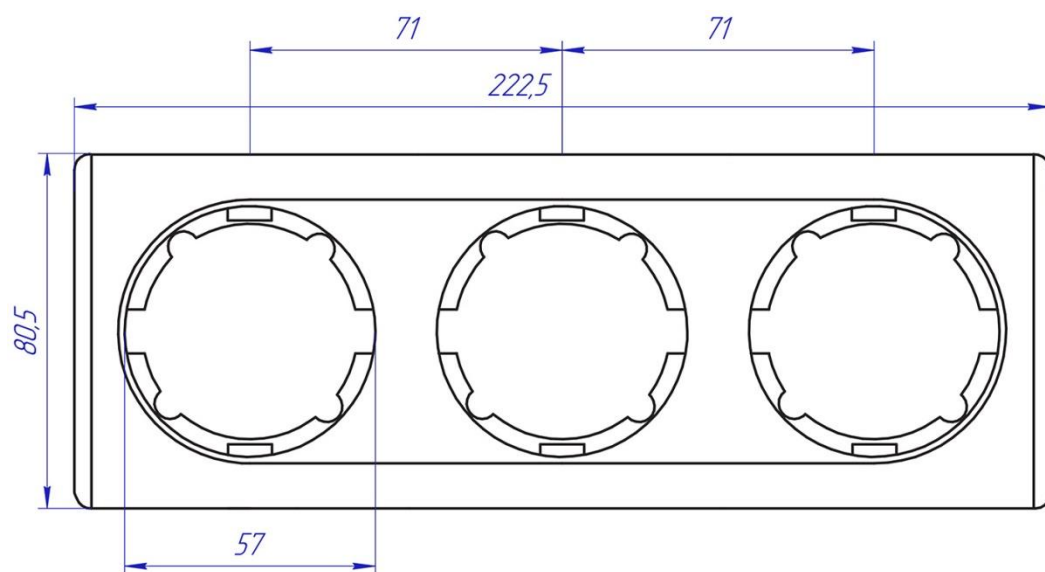
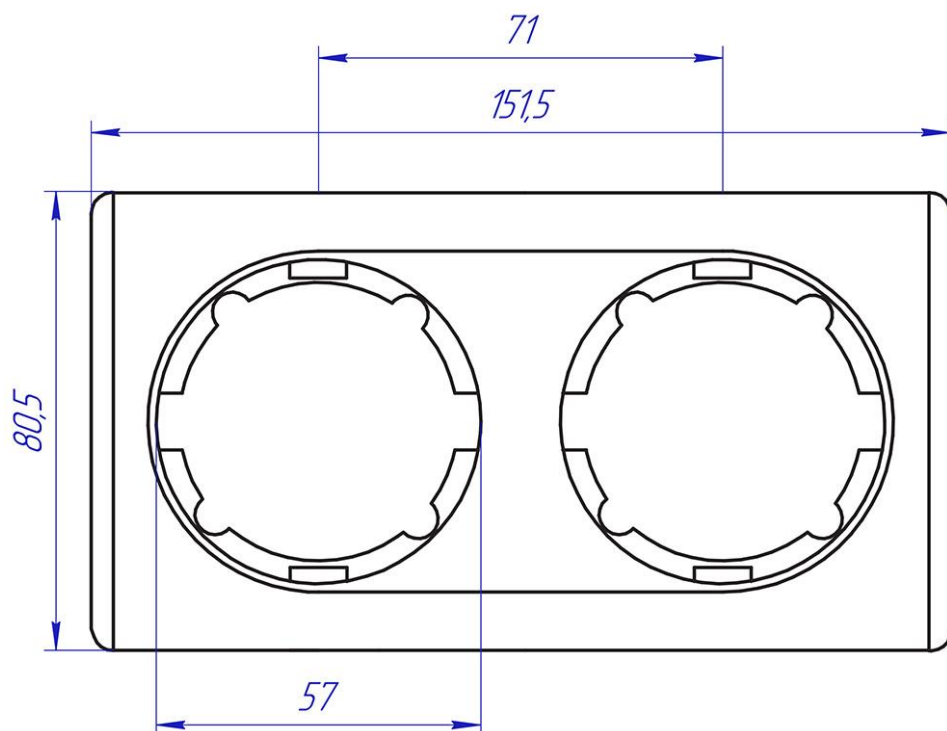


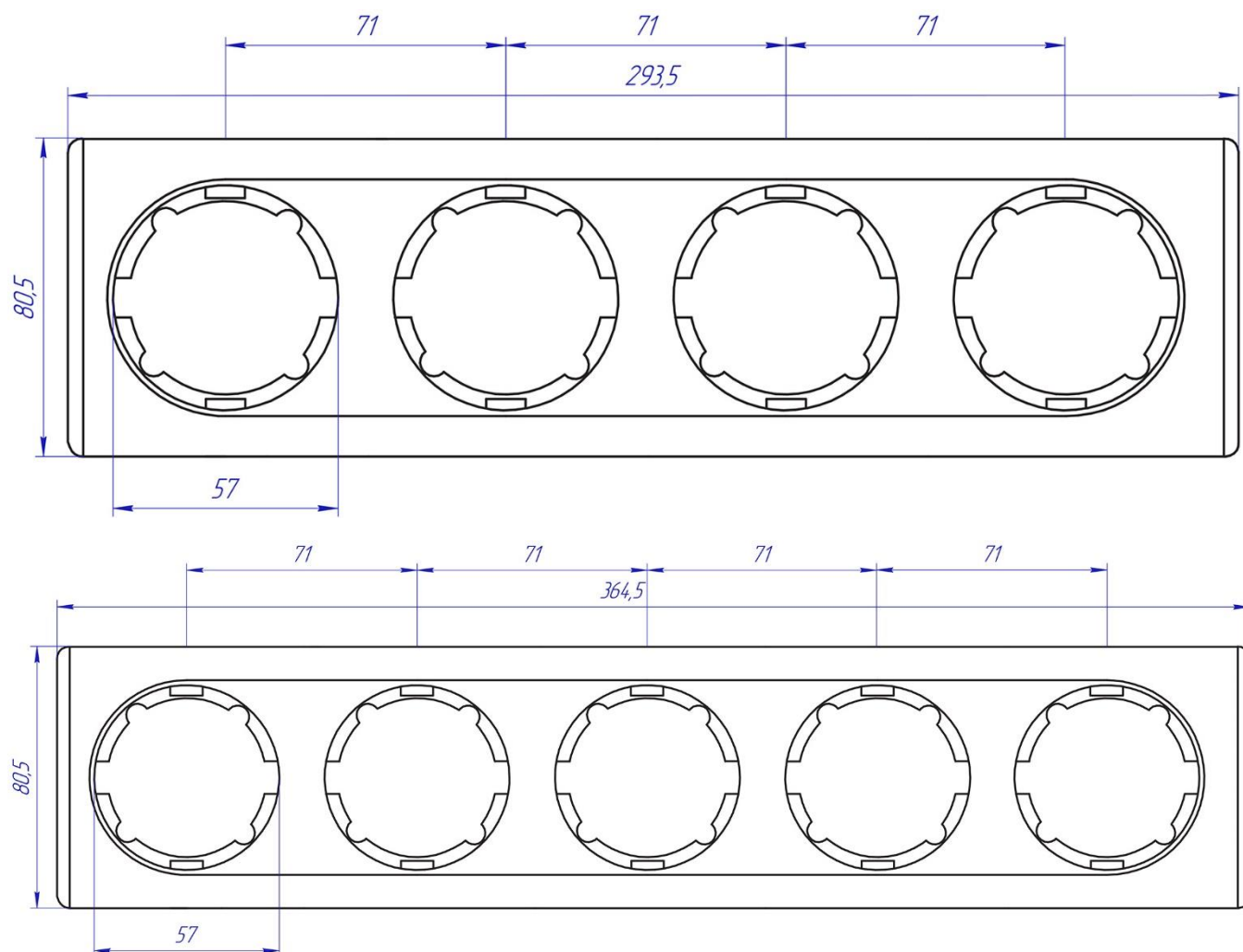
Installation dimensions of Florence cover frames



Frames for 2–5 devices are designed for horizontal installation.

The design provides a center distance of 71 mm between the devices.





Order codes with a brief description:

Description	Symbol	Features	Qty in pkg.	Colour	Order code
SCHUKO socket, shutters, screw terminals		250V~,16A, L+N+PE, IP20, screw terminals	1	white	1E10101300-E
			1	beige	1E10101301-E
			1	gray	1E10101302-E
			1	black	1E10101303-E
SCHUKO socket, screw terminals		250V~,16A, L+N+PE, IP20, screw terminals	1	white	1E10201300-E
			1	beige	1E10201301-E
			1	gray	1E10201302-E

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			1	black	1E10201303-E
SCHUKO socket with lid, screw terminals		250V~,16A, L+N+PE, IP20, screw terminals	1	white	1E10501300-E
			1	beige	1E10501301-E
			1	gray	1E10501302-E
			1	black	1E10501303-E

Cover frames for assembling finished products

The product is not equipped with a frame. The choice of frame depends on the number of sockets or their combinations with other 230V electrical installation products of the Florence series, installed in a row. The choice of frame color depends on the interior design.

Ordering numbers with a brief description of the cover frame for ordering:

Description	Dimension	Color	Order number
1-gang frame	80.5x80.5 mm	white	1E52101300-E
		beige	1E52101301-E
		gray	1E52101302-E
		black	1E52101303-E
2-gang frame	80.5x151.5 mm	white	1E52201300-E
		beige	1E52201301-E
		gray	1E52201302-E
		black	1E52201303-E
3-gang frame	80.5x222.5 mm	white	1E52301300-E
		beige	1E52301301-E
		gray	1E52301302-E
		black	1E52301303-E
4-gang frame	80.5x293.5 mm	white	1E52401300-E
		beige	1E52401301-E
		gray	1E52401302-E
		black	1E52401303-E
5-gang frame	80.5x364.5 mm	white	1E52501300-E
		beige	1E52501301-E
		gray	1E52501302-E
		black	1E52501303-E

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Conditions for safe installation and operation



DANGER!

Risk of fatal injury from electric shock!

WARNING!

All work, including installation, operation and maintenance of the product should be performed by qualified electricians who have been instructed in safety precautions training for electrical installations up to 1000 V.

Electrical equipment may only be installed and assembled in accordance with the installation instructions and by qualified electricians in compliance with the applicable accident prevention regulations. Non-observance may result in damage to the device, fire or other hazards.

All work should be carried out only when all current-carrying parts in the work area have been completely de-energized.

Improper installation and use may result in electric shock or fire.

No modifications or repair work may be carried out on the device.

The currently valid protective measures according to DIN VDE 0100 and the associated part must be observed and applied.

Important additional measures:

- protection device for alternating as well as pulsating direct fault currents
- protection of plugged-in consumers

These instructions are part of the product and must remain with the end user or can be downloaded at any time from the manufacturer's website at the following link: www.warm-on.com

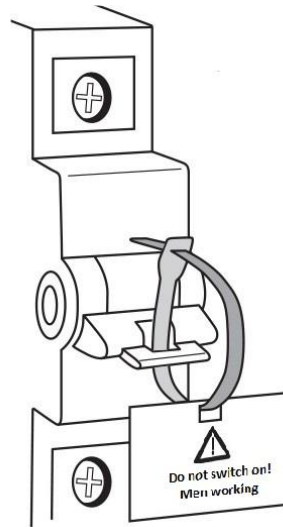
Before installation, it is necessary to carry out technical measures to ensure the safety of work performed with removal of voltage, in accordance with the above-mentioned norms and rules for labor safety.

Safety measures during installation, operation and maintenance of electrical installations must comply with national and local norms and rules.

Installation

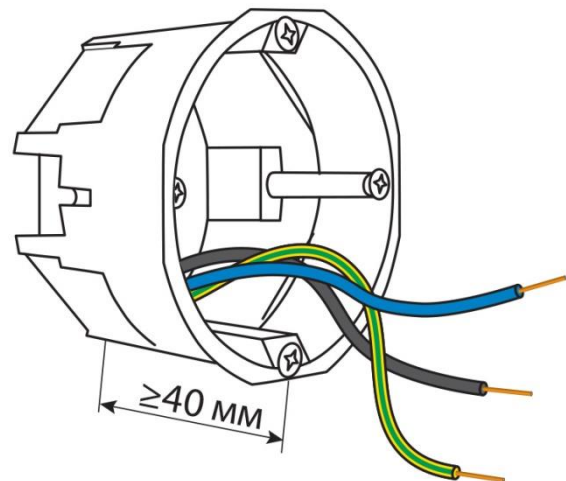
1. Switch off the voltage and lock the switching devices in the OFF position in order to exclude the supply of voltage to the place of work due to possible erroneous or spontaneous switching on of the switching device;

Hang a prohibition poster on the drive of the switching device.



2. Make sure that the wall installation seat is prepared - a standard flush mounting box with a distance between the fixing screws of 60mm and a depth of at least 40mm (not included) with wires L, N and PE connected. The length of the stripped ends should be from 10 to 15 cm.

The design of the seat and the choice of the type of mounting box depends on the type of walls.

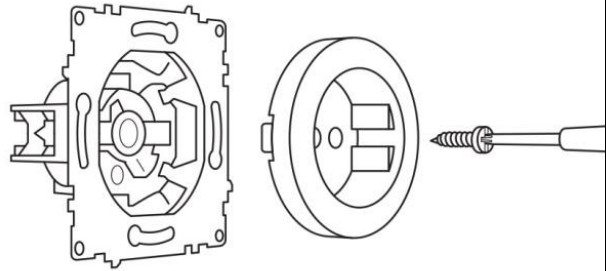


3. Make sure that there is no dangerous potential on the L (N and PE) wires and that there is no voltage between all conductors using a voltage indicator.

Carry out protective measures in accordance with the above regulations.



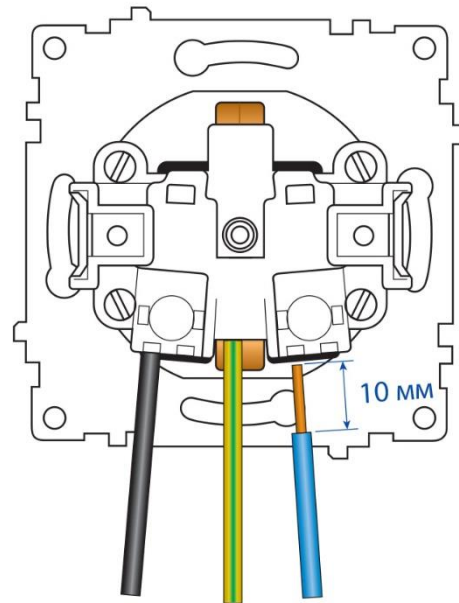
4. Remove the front plate from the device by unscrewing the central screw;



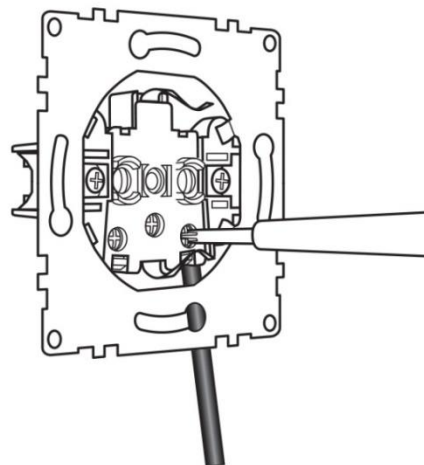
5. Insert the stripped ends of the wires (≈ 10 mm) into the holes of the terminals in the back of the device in accordance with the marking N,  and L;
Connect the wires in the following sequence: first, the protective earth wire PE (output hole  in the middle), then the neutral wire, and finally the live wire.

(It is recommended to observe the same mutual arrangement of the neutral and phase conductors in all sockets in the house.)

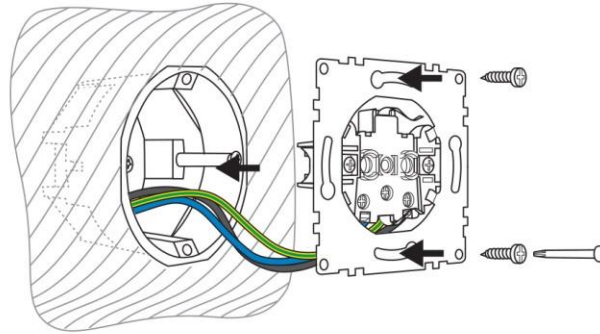
The bare parts of the wires must be recessed into the holes of the leads before insulation in order to exclude possible contact.



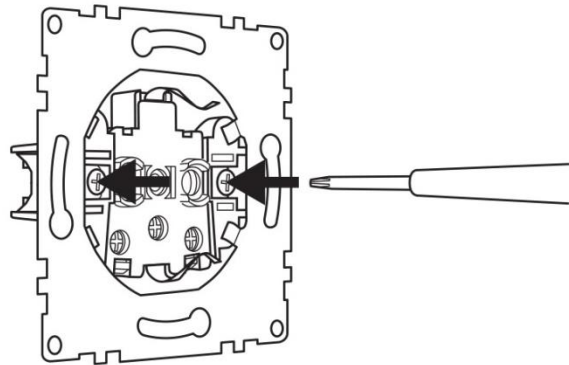
6. Fix the wires in the clamps by tightening the screws with a Phillips screwdriver.
After tightening the wires with screws, make sure they are securely connected by gently pulling on each wire.



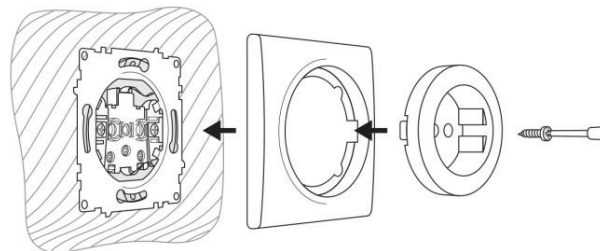
7. Insert the device with the wires connected into the junction box carefully so as not to damage the wires and not compromise the reliability of their connection. Avoid kinks and jams in wires. The wires must lie freely in the box. If necessary, remove the claws. Press the metal ring of the device to the box. Securely fix the ring with the screws included in the mounting box kit.



8. When installing the device in a special factory hole in a reinforced concrete panel (without a junction box), or in a junction box without screw fasteners, fix the device with claws by tightening the screws on the sides of the front part of the device. The claws must not touch or pinch the wires to avoid damage to their insulation.



9. Apply a cover frame so that it fits snugly against the metal ring and has no gaps with the wall plaster. Insert the front plate, tightening the last one with a screw. The front plate will thereby fix the cover frame.



10. Installation

Flush mounted

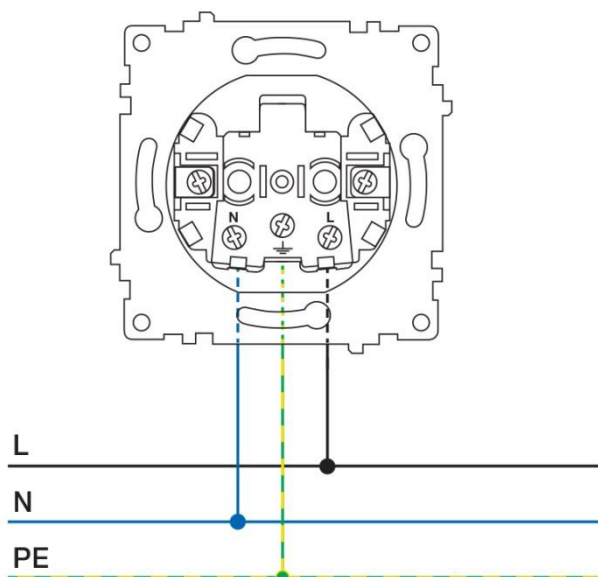


Maintenance

A preventive check of the electrical installation, as well as the replacement of sockets that have failed, must be carried out only when the voltage is off.

Electrical connection of sockets

Electrical connection of the socket
1E1010130x-E, 1E1020130x-E, 1E1050130x-E
Front view



	SCHUKO Socket outlets
	1E1010130x-E, 1E1020130x-E, 1E1050130x-E

Scope of supply

The supply kit of the socket (1E1010130x-E, 1E1020130x-E, 1E1050130x-E) includes a device with a front plate installed and fixed with a screw in accordance with the color-coding of the order code. The cover frame is not included in the scope of supply and must be ordered separately (see frame selection table).

Order code	Product	Qty	Factory number	Note
1E1010130x-E, 1E1020130x-E	Single socket with a front plate installed and screwed, in accordance with the color-coding of the order code	1	Barcode on the product	In individual package. See "Packaging and Marking"
1E1050130x-E	Single socket with a front plate installed and screwed, with lid, in accordance with the color-coding of the order code	1	Barcode on the product	In individual package. See "Packaging and Marking"
1E52y0130x-E	Molded plastic cover frame Florence. Gang quantity and color - in accordance with the order code (y is the gang quantity, x - color coding)	1	Barcode on the product	In individual package. See "Packaging and Marking"

Packaging and Marking

Packaging

The product is packed in a thick polymer bag with the following information: • product series • trademark • name and address of the manufacturer • name and address of the importer in EU as well as other necessary information in accordance with the manufacturer's instructions and local requirements. The package has a cutout for hanging the goods in the package.
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Marking

	Product marking is made by means of a marking label. The marking label contains the following product information: • order code • name • rated current and voltage • degree of protection • production material • installation method • barcode as well as other necessary information in accordance with the manufacturer's instructions and local requirements. The marking label is located on the back of the package.
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Conditions for storage and transportation

The product may be transported in the manufacturer's original by any type of roofed transport that ensures the safety of the packaged products from mechanical damage, dirt and moisture.

The product may only be stored in the manufacturer's packaging, in rooms with natural ventilation at an ambient temperature of -5 to +50 °C.

Norms compliance and certification

Wenzhou Guipai Electric Co. Ltd. hereby declares that the products comply with the following directives:

RoHS Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment and the extension by Directive 2015/863/EU.

	SCHUKO Socket outlets
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Disposal

After the end of their service life, household sockets are subject to dismantling and disposal. Dismantling and disposal do not require special tools. These products do not contain materials of increased danger to the environment and humans; special safety measures during dismantling and disposal are not required.

Dispose of in accordance with local regulations.

NOTE ON ENVIRONMENTAL PROTECTION From the date of implementation of the European Directives 2012/19/ EU into national law, the following applies: Electrical and electronic equipment must not be disposed of with household waste. The consumer is legally obliged to return electrical and electronic equipment at the end of its service life to the public collection points set up for this purpose or to the point of sale. Details are regulated by the respective state law.

Socket outlets as passive devices fall under category 5 of Section 2 (1) of the Electrical and Electronic Equipment Act (ElektroG3) (Act on the marketing, return and environmentally sound disposal of electrical and electronic equipment of May 20, 2021, valid from January 1, 2022).

The symbol on the product, the instructions for use or the packaging indicates these regulations. By recycling, material recovery or other forms of recovery of waste equipment/batteries, you are making an important contribution to protecting our environment.



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Warranty

We reserve the right to make technical and formal changes to the product in the interests of technical progress.

The manufacturer establishes a 2-year warranty period, calculated from the date of sale, provided the consumer complies with the rules for transporting, storage and operation of the product.

In case of a malfunction during the warranty period, the consumer must contact the place of purchase of the product.

The manufacturer reserves the right to refuse to meet the requirements of the consumer for warranty obligations, in the event of the following conditions:

- Any mechanical damage to the fixture;
- Product design changes
- Damage caused by misuse or improper use; moisture or lightning strikes.
- Damage caused by non-compliance with standards or technical regulations of power, cable or telecommunication networks;
- Unauthorized repair or opening of the product.

Limitation of Liability

The manufacturer is not responsible for:

- For direct, indirect or consequential damages, loss of profits or commercial losses in any way related to the product;
- For possible harm directly or indirectly caused by the product to people, pets, property in the event that this happened as a result of non-compliance with the rules and operating conditions, installation of the product, in violation of applicable standards and norms, or as a result of intentional or negligent actions of the buyer (consumer) or third parties.

The liability of the manufacturer cannot exceed the intrinsic value of the product.

	SCHUKO Socket outlets
	1E1010130x-E, 1E1020130x-E, 1E1050130x-E

Importer in the EU:

warm-on GmbH, Rastatter Str. 30 | 75179 Pforzheim, Germany

Tel. +49 (0) 7231 4609161 (customer support), www.warm-on.com

Manufacturer:

Wenzhou Guipai Electric Co., Ltd
No.16, Yulan Road, Binhai Zone, Economic Technology
Development Zone, Wenzhou, 325025, China

Made in China under control of Warm-On GmbH, Germany

For more information about the products, visit warm-on.com
or call +49 (0) 7231 4609161

