Countertop and floor box for installation of 22.5x45mm (45x45mm) standard sockets and keystone sockets

Code: EM/FLB-YCK-DG

Description and Technical Characteristics of the Product:

Countertop and floor box with frame for installation of fixtures in standard 22.5x45 or 45x45 (electrical sockets, ICT and other sockets) and keystone sockets (computer, audio, video etc.). The box can be used both in countertops (desks, tables, etc.), technical floors, as well as poured floors (additional components for poured floors and pipe glands are included). Box capacity 4M (2x2M) + 2x keystone. Additional hole for routing wires or cables, for example, from a computer standing under the desk. Plastic covers.
They make it possible to prepare an aesthetically pleasing subscriber ICT connection point along with the electrical network.
The box is factory-prepared for installation in countertops or technical floors. It includes additional components for installation in poured floors with cables routed in conduit pipes.

Installation method:
in the countertop:
cut a hole in the countertop; cut appropriate holes in the box for the insertion of cables or wires in the embossed areas; insert the box in the countertop by inserting cables or wires through the holes made; fix the box in the countertop using screw anchors located on two sides of the box; finally, mask the screws with caps included with the box. Note: if necessary, fix and connect the sockets before installation in the countertop.

in the technical floor:

cut a hole in the technical floor; cut appropriate holes in the box for the insertion of cables or wires in the embossed areas; insert the box in the floor by inserting cables or wires through the holes made; fix the box in the floor using screw anchors located on two sides of the box; finally, mask the screws with caps included with the box. Note: if necessary, connect and fix the sockets before installation in the countertop.

in the technical floor - only the frame:

cut a hole in the technical floor; unscrew the frame from the lower cover box; route the wires through the appropriate holes for mounting the sockets; insert the box (frame) in the floor and fix it using screw anchors located on two sides of the box; finally, mask the screws with caps included with the box. Note: if necessary, connect and fix the sockets before installation in the countertop.

in poured floor:

remove the screw anchors (used for installation in the countertop or technical floor) from the box; replace the anchors with caps; cut appropriate holes in the box, for the insertion of cables or wires in the embossed areas, and embed the pipe glands (optional) in the obtained holes; insert cables or wires into the box and embed it in the hole or attach it to the ground (if necessary, remove the upper frame beforehand); if necessary, seal with mounting foam or tape; pour concrete over the box. Note: if necessary, connect and fix the sockets before installation in the floor.

Markings:

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Products compatible with the box:

22.5x45 and 45x45 standards:

E/GM	Modular socket 230V grounded single std 45x45, white
E/GMBZ	Modular socket 230V grounded single std 45x45, with lock and release, red

ICT sockets in adapters:

DCN/TS-868K-8-C5E	UTP RJ 45 socket, Cat. 5e with adapter, 1-module, white, low
DCN/TS-868K-8-C6	UTP RJ 45 socket, Cat. 6 with adapter, 1-module, white, low
FU/FA-2420-PHJ	3.5mm 22.5x45mm jack socket

EM/PFK	Terminal TV/FM socket 45x45 (male/female antenna socket)
EM/PFP	Pass-through TV/FM socket 45x45 (male/female antenna socket)

adapters:

DC/FA-644-1SP	Single-module straight 22.5x45mm adapter for 1xRJ45 or 1xRJ 12
DC/FA-644-2SP	Two-module straight 45x45mm adapter for 1xRJ45 or 1xRJ 12
DC/FA-644-3MP	Single-module cap 22.5x45mm
FU/FA-644-9MP	45x45 1xRJ45,12 adapter white
FU/FA-644-8MP	45x45 2xRJ45,12, adapter white

standard keystone:
computer and telephone sockets:

DC/FA-682MK-8-C5E	UTP RJ 45 socket Cat. 5e keystone, white
FU/FA-2630AK-8-C6	UTP RJ 45 socket, Cat. 6 keystone, white
DC/FA-356A-6	RJ12 keystone socket Cat.3 white
DCN/FA-682MK-8-C5E	UTP RJ 45 socket, Cat. 5e keystone, blue
DCN/FA-S682MK-8-C5E	RJ45 UTP socket, Cat. 5e keystone, blue (tool-free)
DCN/FA-1090-8-C6	UTP RJ 45 socket, Cat. 6 keystone, blue
EM/UQK-C6	RJ45 UTP socket Cat.6 keystone blue (tool-free), slim
EM/SQKSS-C6	RJ45 STP socket Cat. 6 keystone, blue (tool-free), slim
EM/SQKSS-C6A	STP RJ45 Cat.6A keystone socket blue (tool-free), slim

special sockets:

EM/KEY-HDMI/HDMI-DC	HDMI type female keystone socket, white
EM/KEY-USBA/USBA	USB A female keystone socket, white
EM/KEY-USB3.0-A/A-DC	USB 3.0 A female keystone socket, white

Note 1: before installation, it is necessary to provide for the necessary amount of space to connect cables from the inside of the box to the appropriate sockets, in particular to the "pass-through" sockets, such as HDMI, USB, etc. In special cases, it may be necessary to drill additional holes in the bottom of the box (which requires less space under the box).
Note 2: If the sockets protrude beyond the face of the adapter, they may be incompatible. In addition, due to the different depths of the sockets and the different ways of leading and connecting the wires, some sockets in the adapters may not be compatible. Due to the possibility of various combinations, it is recommended to check this or contact the technical department before installation.

Technical parameters:
Mechanical:
finish: ABS plastic
colour - grey
dimensions (∅ x D): 140x65 mm (when installing pipe glands: 170x65mm)
Weight0.2kg
Hole dimensions:
when installed in a countertop or technical floor (∅): 120 mm
when installed in a poured floor (∅): 120mm; if covers are installed: 124mm; if 170mm pipe glands are installed

Grommets for conduit pipes with a diameter of 14 or 18mm.

Ingress protection class:
for boxes with closed cover and with proper installation: IP20

The product is designed for non-combustible and hollow (type H) countertops and floors for dry floor treatments. The product is designed for installation in places, in which its functionality and application will be used. For this reason, do not design the installation of a floor box in walkways and areas, in which they will be a hindrance or obstacle to people moving around.
Depending on the type and number of cables and connection wires plugged into the box-mounted sockets, the cover may or may not fully close. Appropriate functionality, resulting from the product features, should be envisioned by the designer at the design stage.