

# Socket outlet with voltage indication, pin earthing and shutters, screw terminals, flush-mounting depth 28.5 mm, base and finishing set white

101-66617

4 year warranty

Compound socket outlet (base and finishing set) with pin earthing. The base is equipped with screw terminals and claw fixing. The socket outlet also has a shutters and has a flush-mounting depth of 28.5 mm. The central plate has a transparent lens. The compound socket outlet has an amber LED that lights up when there is a voltage on the socket outlet. The amber LED can be replaced by another colour: red, green, white or blue. Finishing colour: white

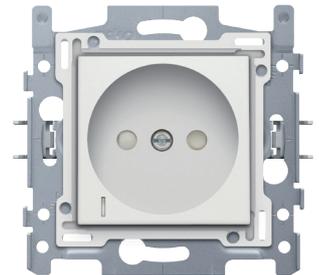
## Technical data

Socket outlet with voltage indication, pin earthing and shutters, screw terminals, flush-mounting depth 28.5 mm, base and finishing set white.

- Protection degree: IP20
- Protection degree: IP41 for the combination of a mechanism, central plate and faceplate
- The combination of a mechanism, a central plate and a faceplate has an impact-resistance of IK06
- Battery: NA
- Marking: CE

Socket outlet with voltage indication, pin earthing, shutters, and with amber LED, screw terminals.

The socket outlet is equipped with contact busses with a large contact surface area which do not rest on the base in order to clasp and plug-in terminals with releases. These screws have combination screwheads (Pz2 slot 1x6 mm). Moreover, each screw is equipped with a screwdriver slot that prevents the screwdriver from sliding off the screwhead. The base of the socket outlet is made of urea-formaldehyde (UF), light grey RAL7035. The base is highly heat resistant; it does not melt when exposed to high temperatures, as opposed to thermoplasts. All connection terminals are located on the top and can contain up to 4x2.5 mm<sup>2</sup> of wire; the earthing terminals can even contain up to 2x2.5 mm<sup>2</sup> + 2x4 mm<sup>2</sup> of wire. The stripping length (14 mm) of the wires is indelibly imprinted on the back of the base. The flush-mounting frame is equipped with a round cut-away, on the bottom-left directly above the groove. This opening makes the LED of the voltage indication module visible. The voltage indication module is clicked onto the back of the base and in doing so is immediately connected. When mounting the socket outlet in a flush-mounting box with grip surfaces, use claws that can be rotated open using screws with a combination screwhead (Pz2 1x5.5 mm). The claws, which have a depth of engagement of 31 mm, turn back completely when loosened. The flush-mounting frame is made of 1 mm-thick metal and after cutting is galvanized on all sides, even on the cut edges. On the horizontal and vertical axes, the flush-mounting frame has 4 grooves for screw mounting in flush-mounting boxes. These grooves have a screw aperture of 7 mm. For mounting on panels, the flush-mounting frame is equipped with 4 screw holes (indicated by a screw symbol) with a diameter of 3 mm. The middle of the flush-mounting frame is indicated (chalk line, laser, ..) in both the horizontal and vertical directions, so that mounting one or more socket outlets can be quickly and easily carried out. At the right and left sides, the flush-mounting frame is equipped with folded-up dovetails, allowing for a quick and perfect horizontal coupling of several socket outlets. The folded-up edges on the outside of the flush-moun-



ting frame and their continuation to the inside lend an additional robustness to the frame. Vertical coupling of the socket outlets, centre distance 60 mm, is carried out by telescoping the flush-mounting frames. These are automatically locked into place. For vertical coupling of socket outlets, centre distance 71 mm, the flush-mounting frame is equipped with two pre-formed lips at the bottom. By folding these lips down over a length of 1 mm, this socket outlet rests perfectly on the one below and the centre distance of 71 mm is guaranteed. The 4 rectangular openings (7x2.5 mm) in the flush-mounting frame can compensate for a margin of 1 to 1.2 mm if the flush-mounting box protrudes beyond the plasterwork. In the case of such a margin, the faceplate can still butt up perfectly against the wall. The combination of a socket outlet, a voltage indication module, a central plate and a faceplate has a protection degree of IP41. Flush-mounting depth socket outlet with voltage indication module = 34 mm. Surface-mounting height = max. 9.2 mm. Voltage indication module has CE marking. Socket outlet is CEBEC, NF approved.

- Maximum MCB rating: 16 A (1.5 mm<sup>2</sup>) / 20 A (2.5 mm<sup>2</sup>) (limited by national installation rules)
- Protection degree: The combination of a mechanism, a central plate and a faceplate has a protection degree of IP21-D
- Material base
  - ureumformaldehyde (UF) with high heat resistance
  - white RAL9010 (approximately)
- Material earthing: solid brass nickel-plated pin earthing
- Flush-mounting frame
  - 1 mm-thick metal
  - galvanized on all sides after cutting, even on the cut edges
  - with 4 grooves with screw hole of 7 mm
  - with 4 screw holes (indicated by a screw symbol) with a diameter of 3 mm for mounting on panels
- Required type of flush-mounting box
  - depth: min. 40 mm (cabling space included)
  - claw/screw fixing: 60 mm
  - inner diameter box: 60 mm
  - multiple boxes centre distance horizontal: 71 mm
  - multiple boxes centre distance vertical: 71 mm
  - multiple boxes centre distance vertical: 60 mm for Belgium and France
- Fixing method
  - simple mounting in a flush-mounting box with grip surfaces
  - with claws that rotate open using screws with a combination screwhead (Pz2 or slot 1 x 5.5 mm), for mounting in a flush-mounting box with grip surfaces
  - engagement depth of claws: 23.5 mm
  - claws turn back completely when loosened
- Centre-to-centre distance
  - Simple and quick assembly of one or more mechanisms by the indication (chalk line, laser, etc.) of the centre of the flush-mounting frame
  - vertical coupling centre-to-centre distance 60 mm by sliding several bases into each other; they lock themselves automatically
  - vertical coupling centre-to-centre distance 71 mm using pre-formed lips at the bottom, by folding the lips downwards over a length of 1 mm, the bases support each other and the centre-to-centre distance is guaranteed.
  - horizontal connection of multiple bases is quick and perfect thanks to the folded-up dovetails on the left and right sides
  - extra robustness due to the folded-up edges on the outside of the base and the continuation into the inside of the base
- End border: 4 rectangular openings (7 x 2.5 mm) which, if the flush-mounting box protrudes from the plasterwork, can compensate for a margin of between 1 and 1.2 mm, so that the faceplate can still butt up perfectly against the wall
- Wire connection
  - the sockets are fitted with cage clamps with permanent screws with combination screwheads (Pz2 or slot 1 x 5,5 mm)
  - every screw is provided with a screwdriver slot that prevents the screwdriver from sliding off the screwhead.
- Wire capacity
  - all connection terminals at the top side of the base
  - up to 4 x 2.5 mm<sup>2</sup> wire per terminal
- Earthing wire capacity
  - 2 x 2.5 mm<sup>2</sup> + 2 x 4 mm<sup>2</sup> wire in the earthing terminal
- Stripping length
  - 14 mm stripping length
  - indelibly indicated at the rear side: stripping length
- Lighting element

- the base is provided with 2 rectangular recesses for a lighting unit
- left recess (front view): a lighting unit with wires or an automatic lighting unit can be clicked in
- rear side: round recesses for direct contact of the automatic lighting unit with the mechanism
- Marking: CE

Finishing set with transparent lens for socket outlet with voltage indication, pin earthing and shutters, flush-mounting depth of 28.5mm, white. This central plate is surrounded with a flat edge that is equipped at all 4 corners with a rectangular opening, each containing a multi-positional snap hook. The construction of the central plate ensures that the faceplate can always be attached flat to the wall, even in cases of untidy plasterwork. This works in two directions: If the flush-mounting box sticks out of the plasterwork, the multi-positional snap hooks can compensate for a 1 to 1.2 mm margin; if the flush-mounting box is sunk too deeply in the plasterwork, the snap hooks can compensate for up to a 1.8 mm margin. The flat edge around the central plate also has 4 round openings that ensure the correct positioning of the faceplate in relation to the central plate. After mounting all components (faceplate, finishing set and switch), no metal parts are visible thanks to the flat edge of the central plate.

- Material central plate: The central plate is made of rigid PC and ASA. The base material is coloured in mass.
  - Colour: white (coloured in mass, approximately NCS S 0502 - Y50R, RAL 9010)
  - Lens: The central plate is provided with an upstanding, rectangular, transparent lens (1 x 5 mm) at the bottom left for a flush-mounting socket outlet with voltage indication module.
  - Dismantling: To dismount simply unscrew the central plate.
  - Shutters: Equipped with shutters. This means that contact is made after simultaneous introduction of the pins of a plug but prevents contact from being made if only 1 pin is introduced or if the two pins are not introduced simultaneously.
  - Protection degree: The combination of a mechanism, a central plate and a faceplate has a protection degree of IP21 -D
  - Impact resistance: The combination of a mechanism, a central plate and a faceplate has an impact-resistance of IK06
  - Fire safety
    - The plastic parts of the central plate are self-extinguishing (comply with a filament test of 650°C)
    - The plastic parts of the central plate are halogen-free.
  - Dimensions of finishing with flat edge: 56 x 56 mm (HxW)
- Dimensions of visible area of finishing: 45 x 45 mm (HxW)
- Dimensions (HxWxD): 55.8 x 55.8 x 25.6 mm
  - Marking: CE

Lighting unit with amber LED for socket outlet with voltage indication

Seen from the front of the socket outlet, the voltage indication module is clicked into the back of the base, with the LED in the bottom-left corner.

The voltage indication module is clicked onto the back of the base and in doing so is immediately connected. The voltage indication module with amber LED has a polyamide housing. The amber light is produced by an LED with very limited power consumption (0.25 W). It is shockproof and does not radiate any heat. The LED has a life span of min. 50,000 burning-hours. CE marking.

- Protection degree: The combination of a mechanism, a central plate and a faceplate has a protection degree of IP21 -D
- Impact resistance: The combination of a mechanism, a central plate and a faceplate has an impact-resistance of IK06
- Marking: CE



## Wiring diagram

