



Shelly PRO 3EM ADD-ON Switch User Guide

[Home](#) » [Shelly](#) » Shelly PRO 3EM ADD-ON Switch User Guide 

Contents

- [1 Shelly PRO 3EM ADD-ON Switch](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Schematic](#)
- [5 Product Introduction](#)
- [6 LED indication](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)
- [8 Related Posts](#)



Shelly PRO 3EM ADD-ON Switch



Product Information

The Shelly Pro 3EM Switch Add-on is a galvanically isolated switch that extends the features of the Shelly Pro 3EM. It allows the control of contactors or other electrical devices.

Product Usage Instructions

To use the Shelly Pro 3EM Switch Add-on, follow these steps:

1. Connect the Shelly Pro 3EM Switch Add-on to the Shelly Pro 3EM device.
2. Ensure that the power source is disconnected before making any connections.
3. Identify the contactors or electrical devices you want to control using the switch add-on.
4. Connect the contactors or electrical devices to the appropriate terminals on the switch add-on.
5. Once all connections are made, reconnect the power source.
6. Use the Shelly Pro 3EM device to control the switch add-on and the connected contactors or electrical devices.

Note

Refer to the user manual of the Shelly Pro 3EM device for detailed instructions on how to control the switch add-on and configure its features. Please refer to the user manual for further information and safety guidelines.

Schematic

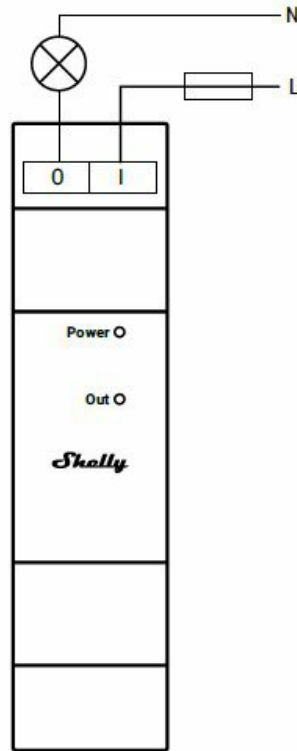


Fig. 1

Legend

Device terminals

- O: Relay output terminal
- I: Relay input terminal

Cables

- N: Neutral cable
- L: Live (110 – 240 VAC) cable

USER AND SAFETY GUIDE SHELLY PRO 3EM SWITCH ADD-ON

Read before use

This document contains important technical and safety information about the device, its safe use and installation.

CAUTION

Before beginning the installation, please read carefully and entirely this guide and any other documents accompanying the device. Failure to follow the installation procedures could lead to malfunction, danger to your health and life, violation of law or refusal of legal and/or commercial guarantee (if any). Alterio Robotics EOOD is not responsible for any loss or damage in case of incorrect installation or improper operation of this device due to failure of following the user and safety instructions in this guide.

Product Introduction

Shelly Pro 3EM Switch Add-on (the Device) is a galvanically isolated switch that extends the features of the Shelly Pro 3EM allowing the control of contactors or other electrical devices

Installation Instructions

CAUTION! Danger of electrocution. Mounting/installation of the Device to the power grid has to be performed with caution, by a qualified electrician.

CAUTION! Danger of electrocution. Every change in the connections has to be done after ensuring there is no voltage present at the Device terminals.

CAUTION! Use the Device only with a power grid and appliances that comply with all applicable regulations. A short circuit in the power grid or any appliance connected to the Device may damage it.

CAUTION! Do not connect the Device to appliances exceeding the given max load!

CAUTION! Connect the Device only in the way shown in these instructions. Any other method could cause damage and/or injury.

CAUTION! Do not install the Device where it can get wet. If you are installing the Shelly Pro 3EM Switch Add-on to a Shelly Pro 3EM device that is already connected to the power grid, check that the breakers are turned off and there is no voltage on the terminals of the device you are attaching the Shelly Pro 3EM Switch Add-on to. This can be done with a phase tester or multimeter. When you are sure that there is no voltage, you can proceed to installing the Shelly Pro 3EM Switch Add-on.

Remove the mounting bracket (A) of the Shelly Pro 3 EM as shown in figure2.

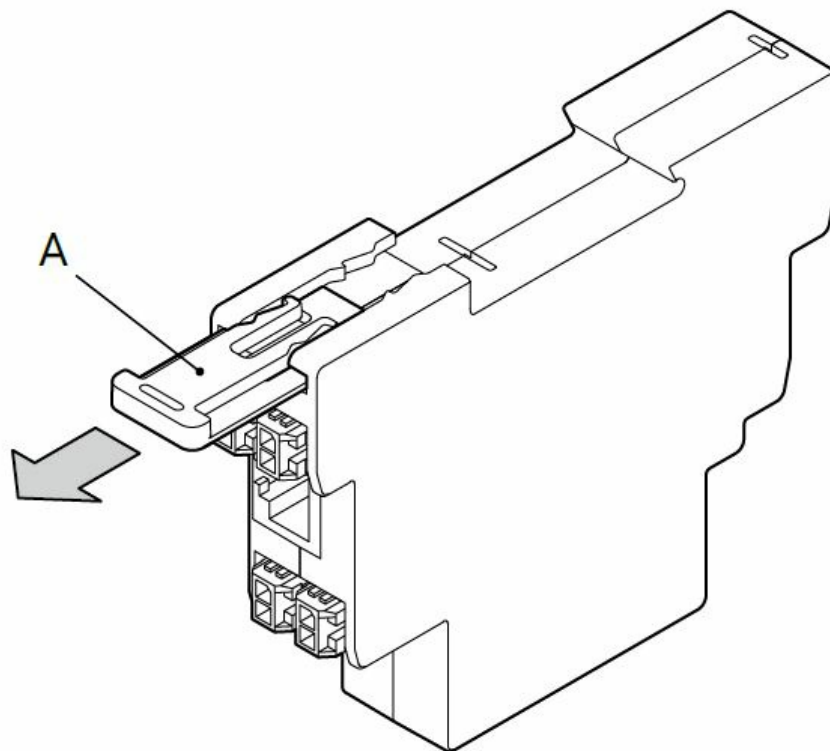
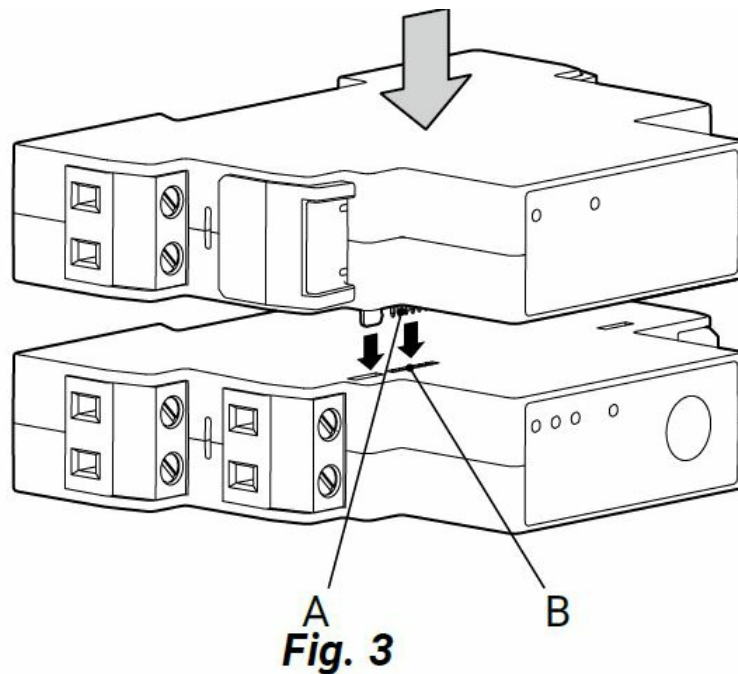
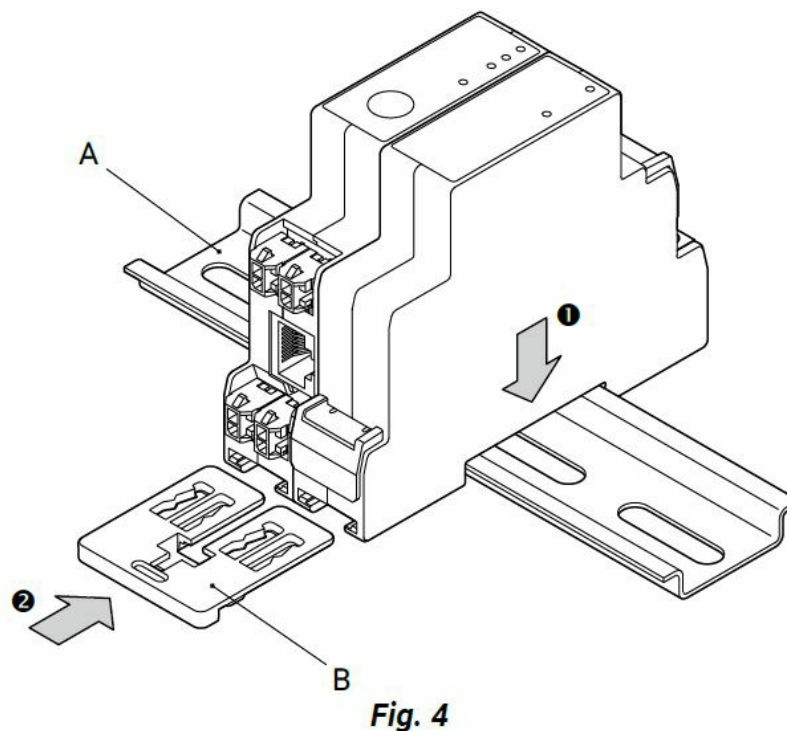


Fig. 2

Attach the Shelly Pro 3EM Switch Add-on to the Shelly Pro 3EM device as shown in Fig. 3



CAUTION! Be very careful not to bend the Device header pins fig. 3(A) when inserting them into the Shelly Pro 3EM device header connector fig. 3(B). Place the Shelly Pro 3EM with the attached Shelly Switch Add-on on the DIN rail fig. 4(A) and insert the supplied double mounting bracket fig. 4(B) to fix the attached devices to the DIN rail.



You can now proceed to connecting the cables as shown in Fig.1.

RECOMMENDATION

Connect the Device using solid single-core cables. Connect the load circuit to the O terminal and the Neutral cable. Connect the I terminal to the circuit breaker. If the Shelly Pro 3EM device, which the Shelly Pro 3EM Switch Add-on is attached to, has not been connected to the power grid, install it following its user and safety guide.

LED indication

- Out (red): Lit when the output relay contact is closed. Specifications
- Mounting: on a DIN rail, attached to a Shelly Pro 3EM

- Dimensions (HxWxD): 94x19x69 / 3.70x0.75x2.71 in
- Ambient temperature: -20 °C to 40 °C / -5 °F to 105 °F
- Max. altitude: 2000 m / 6562 ft
- Screw terminals max. torque: 0.4 Nm / 3.54 lbin
- Wire cross section: 0.5 to 2.5 mm² / 20 to 14 AWG
- Wire strip length: 6 to 7 mm / 0.24 to 0.28 in
- Power supply: 3.3 VDC and 12 VDC (from Shelly Pro 3EM device)
- Electrical consumption: < 1 W
- Max switching voltage AC: 240 V
- Max switching voltage DC: 30 V
- Max switching current: 2 A
- Potential-free contact: Yes

Declaration of conformity

Hereby, Allterco Robotics EOOD declares that the equipment type Shelly Pro 3EM Switch Add-on is in compliance with Directive 2014/35/EU, 2014/30/EU, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: [shelly link/Pro3EM-switch-add-on_DoC](https://shelly.link/Pro3EM-switch-add-on_DoC)

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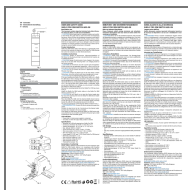
E-mail: support@shelly.cloud

Official website: <https://www.shelly.cloud>

Changes in the contact information data are published by the Manufacturer on the official website.

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Documents / Resources



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PRO 3EM, PRO 3EM ADD-ON Switch, ADD-ON Switch, Switch

References

- [Shelly - Shelly](#)