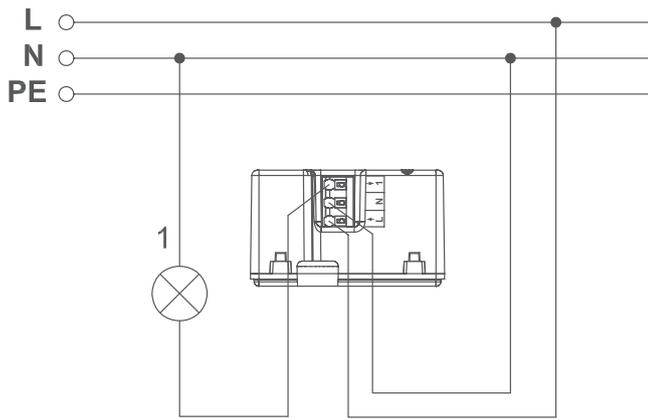# Switch actuator and meter – flush mount

HmIP-FSM

This particularly compact, flush-mounted switch actuator and meter gives you smart control of connected loads, such as lights, while also measuring their energy consumption. The connected load can be conveniently and flexibly switched on or off via remote control, motion detector, Homematic IP app or voice command.

homematic IP

Smart living. Simply exciting.

L
N
PE

1

A neutral conductor is required for installation

SMART LIGHT SWITCHING

The switch actuator and meter makes it easy to switch the connected luminaire on and off to produce atmospheric lighting in your smart home.

The actuator is suitable for the following loads:

- ✔ Ohmic loads (5 A/1150 W)
- ✔ Light bulbs (5 A/1150 W)
- ✔ Self-ballasted lamps (200 W)
- ✔ HV halogen lamps (1150 W)
- ✔ Electronic transformers for NV halogen lamps (200W)
- ✔ Iron core transformers for NV halogen lamps (1150 W)
- ✔ Fluorescent lamps (uncompensated) (200 W)
- ✔ Fluorescent lamps (parallel compensated) (200 W)
- ✔ Electric radiators and other electric heating systems (ohmic load) (5 A /200.000 switching cycles)

TECHNICAL SPECIFICATIONS

Supply voltage	230 V/50 Hz
Current consumption	5 A max.
Power consumption in standby	0.2 W
Max. switching capacity	1150 W
Load type	load, $\cos\varphi \geq 0.95$
Cable type and cross section	rigid and flexible cable, 0.75–1.5 mm²
Measuring accuracy (performance)	measuring range: 0 to 1150 W resolution: 0.01 W accuracy: 1% $\pm$ 0.03 W of the measured value
Installation	only in switch boxes (device boxes) according to DIN 49073-1 or ELS Spelsberg junction boxes (surface-mounted boxes) according to DIN 60670-1 (e.g. Abox 25 and Abox 40)
Degree of protection	IP20
Ambient temperature	-10 to +55 °C
Dimensions (W x H x D)	54 x 33 x 41 mm
Weight	45 g
Radio frequency band	868.0–868.6 MHz 869.4–869.65 MHz
Typical radio free-field range	130 m

POWER CONSUMPTION UNDER CONTROL

With the metering function, the consumption values and costs of connected electrical appliances can be easily monitored via an app. This quickly identifies "power guzzlers" in your home and switches appliances on only when they are needed.

In addition, customised energy consumption monitoring automations can be set up in the app. For example, a push notification can be sent when the switch actuator and meter has exceeded a defined consumption value.

INVISIBLE INSTALLATION

Compact design for easy installation in common flush-mounted boxes. The screwless spring-loaded terminals make wiring particularly easy and secure.

Alternatively, it is also possible to install the device in surface-mounted distribution boxes (e.g. ELS Spelsberg Abox 25) in basement rooms or in protected outdoor areas.

FLEXIBLE OPERATION

- ✔ Wirelessly using Homematic IP push-buttons, or remote controls or motion detectors
- ✔ At any time via the Homematic IP smartphone app
- ✔ Via adjustable time profiles to automatic switch the lighting on or off at the desired time
- ✔ Automatic switching on and off at sunset and sunrise
- ✔ Easy operation via voice control (using Amazon Alexa or Google Assistant)

To enable operation, the device must be connected with one of the following solutions:

- Homematic IP Access Point with free smartphone app and free cloud service
- Third-party partner solutions

LOGISTICS DATA

Product reference	142721A0
EAN code	4047976427215
Short description	HmIP-FSM
Packing unit	90
Packing dimensions	122 x 112 x 48 mm
Weight incl. packaging	118.0 g

PACKAGE CONTENTS

Homematic IP switch actuator and meter – flush mount
Operating manual