

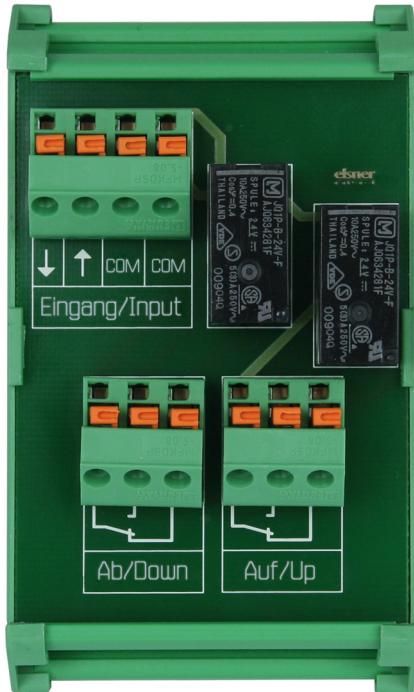
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# RP-H 24 V

## Potential-free Relay

### Technical specifications and installation instructions

Item number 2021



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# 1. Description

The potential-free relay RP-H can transfer control commands to other systems. This way an output command of e. g. controls AQS/TH PF-U or TH PF-U (24 V) can be used for a 230 V drive or a ventilation device. The RP-H is fitted with a change-over contact for "Up" and "Down".

## **Functions:**

- Control Input 24 V DC (Up/Down/Com)
- Output potential free changeover contact

## 1.0.1. Scope of delivery

- Power Supply Unit for installation on mounting rail (3 units)

## 1.1. Technical Data

|                      |  |
|----------------------|--|
| Installation         | Series installation on mounting rail   |
| Protection category  | IP 20  |
| Dimensions           | approx. 53 x 90 x 50 (W x H x D, mm), 3 U  |
| Weight               | approx. 70 g   |
| Ambient temperature  | Operating -40...+50 °C, Storage -55...+90°C  |
| Ambient air humidity | max. 95% rF, avoid condensation  |
| Control input        | 24 V DC, Up/Down/Com   |
| Output               | 1 x Up, 1 x Down, potential-free,<br>max. 230 V, each max. 1 A   |
| Cable cross section  | Nominal cross section 1 mm <sup>2</sup><br>(solid: 0,2...1,5 mm <sup>2</sup> , flexible 0,2...1 mm <sup>2</sup> ),<br>Stripping length 10 mm |

The product conforms with the provisions of EU directives.

# 2. Installation and commissioning

## 2.1. Installation notes



Installation, testing, operational start-up and troubleshooting should only be performed by an electrician.



### **DANGER!**

### **Risk to life from live voltage (mains voltage)!**

There are unprotected live components within the device.

- VDE regulations and national regulations are to be followed.
- Ensure that all lines to be assembled are free of voltage and take

precautions against accidental switching on.

- Do not use the device if it is damaged.
- Take the device or system out of service and secure it against unintentional use, if it can be assumed, that risk-free operation is no longer guaranteed.

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The device is only to be used for its intended purpose. Any improper modification or failure to follow the operating instructions voids any and all warranty and guarantee claims.

After unpacking the device, check it immediately for possible mechanical damage. If it has been damaged in transport, inform the supplier immediately.

The device may only be used as a fixed-site installation; that means only when assembled and after conclusion of all installation and operational start-up tasks and only in the surroundings designated for it.

Elsner Elektronik is not liable for any changes in norms and standards which may occur after publication of these operating instructions.

## **2.2. Installation site**

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**May be installed and operated in dry interior rooms only.  
Avoid condensation.**

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The **Relay RP-H 24 V** is designed for series installation on mounting rails and occupies 3 units.

## 2.3. Connection

