

Auxiliary relay

vhr

General Information

The auxiliary relay transforms the main voltage e. g. 230 V AC into a auxiliary voltage 24 V DC. The maximum current of this output is 100 mA and you can use it for the power supply of sensors (e.g. turbidity meter ITM).

Additional the auxiliary relay VHR includes two switching contacts. This contacts are high- or low-active. So you have the possibility to analyse signals from initiators or proximity switches.

Features

- Output 24 V DC
- Plug-in terminal connections
- Input high-level or low-level, pulse, voltage or contact
- Input selectable by DIP-Fix switches
- 2 switching contacts 250V/3A



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Specifications

| | |
|--------------------------|--|
| Style | DIN standard housing, material ABS |
| | 45x75x105 mm (WxHxD) |
| | for rail mounting acc. EN 50022 |
| Protection | IP 20, isolated terminals |
| Ambient | operating temp. -10 ... +55°C |
| | storage temp. -20 ... +70°C |
| | humidity 0 ... 95% |
| Immunity to interference | acc. to IEC 801 class 2, CE symbol |
| Input | high-level or low-level, pulse, voltage, contact |
| Output | 24V DC/100 mA |
| Switching output | 2 switching contacts 250V/3A |
| Supply | 24, 42, 110, 230V CA, 47 ... 63Hz, 5VA, 24V CC, |
| | máx. 150mA |
| | max. tolerance of voltage -10%/+15% |

Adjustment

- Determination of the relay drive
 - L-level (0 ... 1V), both switches "NPN" closed (switches "PNP" opened)
 - H-level (5 ... 24V) both switches "PNP" closed (switches "NPN" opened)
- Power supply connected to terminal 9 and 10
- The green LED (SpG.) is illuminated if the external and internal supply is running.
- The red LED (Rel.) is illuminated if the relay is activated.

Electr. connections VHR

