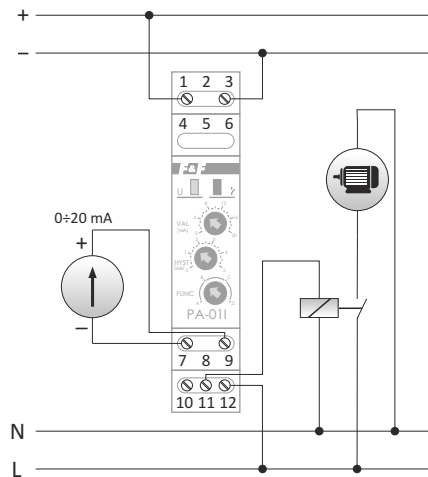


## RELAYS WITH ANALOG INPUT

### PA-01I analogue relay with current input

#### PURPOSE

The PA-01I device is used to convert the analog signal  $0\div 20\text{ mA}/4\div 20\text{ mA}$  to the signal controlling the relay output. This allows the use of sensors with an analogue output in automation systems. The measuring path is galvanically isolated from the power supply of the device.

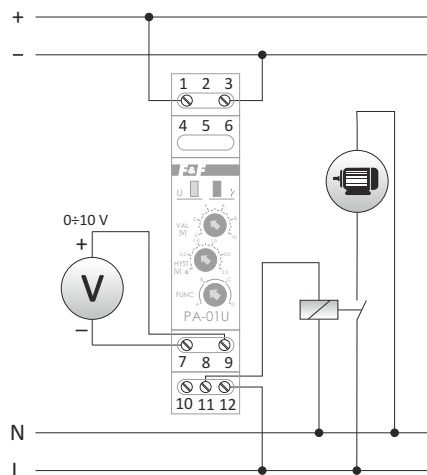


|                                 |                                     |
|---------------------------------|-------------------------------------|
| power supply                    | 9÷30V DC                            |
| maximum current consumption     | 100 mA                              |
| range of input signals          | 0÷20 mA                             |
| hysteresis setting range        | 0÷5 mA                              |
| input resistance                | 150 Ω ± 0.1%                        |
| measurement resolution          | 5 μA                                |
| measurement error               | 1%                                  |
| hysteresis in the „window“ mode | 200 μA                              |
| contact                         | separated 1×NO/NC                   |
| maximum load current (AC-1)     | 8 A                                 |
| terminal                        | 1.5 mm <sup>2</sup> screw terminals |
| tightening torque               | 0.5 Nm                              |
| working temperature             | -20÷50°C                            |
| dimensions                      | 1 module (18mm)                     |
| mounting                        | on TH-35 rail                       |
| protection level                | IP20                                |

### PA-01U analogue relay with voltage input

#### PURPOSE

The PA-01U device is used to convert the analog signal  $0\div 10\text{ V}$  to the signal controlling the relay output. This allows the use of sensors with an analogue output in automation systems. The measuring path is galvanically isolated from the power supply of the device.



|                                 |                                     |
|---------------------------------|-------------------------------------|
| power supply                    | 9÷30V DC                            |
| maximum current consumption     | 100 mA                              |
| range of input signals          | 0÷10 V                              |
| hysteresis setting range        | 0÷2,5 V                             |
| input resistance                | 69 kΩ ± 0,1%                        |
| measurement resolution          | 2,5 mV                              |
| measurement error               | 1%                                  |
| hysteresis in the „window“ mode | 100 mV                              |
| contact                         | separated 1×NO/NC                   |
| maximum load current (AC-1)     | 8 A                                 |
| terminal                        | 1.5 mm <sup>2</sup> screw terminals |
| tightening torque               | 0.5 Nm                              |
| working temperature             | -20÷50°C                            |
| dimensions                      | 1 module (18 mm)                    |
| mounting                        | on TH-35 rail                       |
| protection level                | IP20                                |