

NG530002

Description

By means of an integrated switching power supply, the mains voltage of 230V AC is converted to the output voltage of 24V DC. This is available as supply voltage at the designated terminals, e.g., for sensors.

The switching signal of a connected sensor controls the relevant relay at the power supply. The switching status of the relay is displayed by a yellow LED.

It is possible to connect both PNP and NPN sensors. Therefore, you have to appropriately position the jumper plugs on the internal circuit board. The NG530002 has to be mounted on a 35mm standard rail. The connection terminals are designed for cables up to 2.5mm².



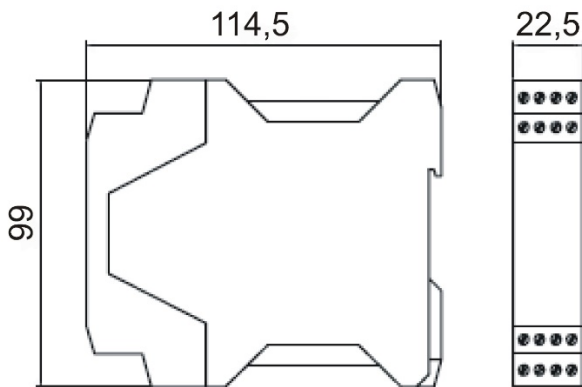
TECHNICAL DATA

output voltage	24V DC
output current (I _{nenn})	100mA
output signal (relay)	2 x Wechsler / 2 x 6A
input voltage	230V AC, 50Hz
display (operating)	LED green
display (signal)	2 x LED yellow
dimensions	22.5 x 99 x 114.5mm
material (housing)	plastic
temperature (operating)	0 ... +50°C
temperature (storage)	-20 ... +70°C
degree of protection(EN 60529)	IP 20
connection	terminals
mounting	35mm DIN-rail

Connection

Terminal no.	Function	Terminal no.	Function
1	relay 1 COM	9	24V DC (+SV)
2	relay 1 NO	10	input E1
3	relay 1 NC	11	input E2
4	n.c.	12	0V (-SV)
5	relay 2 COM	13	L1 (230V AC)
6	relay 2 NO	14	n.c.
7	relay 2 NC	15	n.c.
8	n.c.	16	N (230V AC)

Dimensional drawing



Initial operation and connection of PNP and NPN sensors

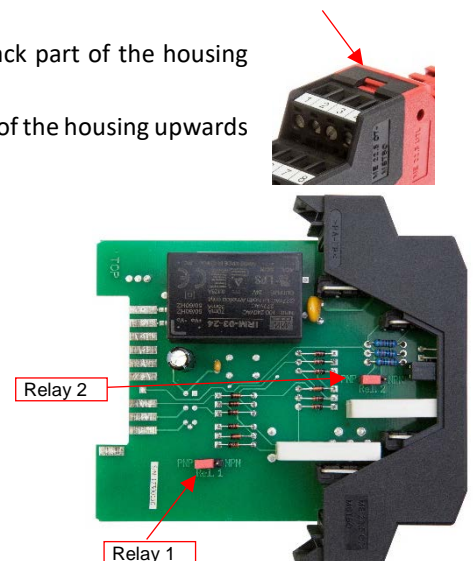
Note:

Only start operating the device when both parts of the housing are connected to each other!

In delivery state, the device is intended for the connection of PNP sensors.

If you would like to connect NPN sensors, proceed as follows:

1. Press with a screw driver or similar first a retaining clip and pull the black part of the housing upwards so that the retaining clip no longer tilts the housing parts.
2. Now push in the retaining clip on the opposite side and pull the black part of the housing upwards so that the retaining clip does no longer tilts the housing part.
3. Now pull the black housing part with the circuit board straight out of the red housing part.
4. Remove the jumpers for NPN sensors that are marked in the picture and insert them on the two right-hand PINs.
5. Insert the circuit board into the guide rail of the red housing and push it straight into the housing.
6. Make sure that the retaining clips firmly lock both housing parts.



SAFETY WARNINGS:

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these articles in applications where the safety of a person depends on their functionality.