

I/O-22E-S-NPN

General

The built-in I/O module serves to launch sensors like Piezo buttons, reflex light buttons with NPN transistor outputs or door contact (type Ifm-electronics NG 5001 and solenoid operated valves) to the subnet. With this module 2 commands can be transferred to the BUS system and 2 commands can be issued.



The connection of the sensors or the solenoid operated valves is achieved by made up cable plugs. Example: 2 reflex light buttons with NPN transistor outputs and 2 solenoid operated valves.

In- / Outputs

- 2 digital optical coupler inputs for NPN-Outputs, each 12-27V DC / 5mA (at 24V)
attention! Ex.1 and Ex.2 are connected internal with +Ub, d.h. GND must be switched
- 2 transistor outputs for valves, max. 1A, +Ub will be switched

Function displays

- 1 red LED indicates the operating voltage
- 1 yellow flashing LED indicates the communication to the master via subnet
- 2 green LED signalise the on-state of the outputs

Connections

- 2 connections for the subnet (BUS A und B, RS-485)
- 2 connections for the operating voltage (+Ub, 0V)
- 2 four pole cable plug for the sensors
- 2 two pole cable plug for the valves

Design

- encapsulated in a plastic black cover for installation in foreign devices, loose

Special function DIP switch 1

- baudrate
 - switch OFF data transmission rate 38400 Baud
 - switch ON data transmission rate 9600 Baud

Technical data

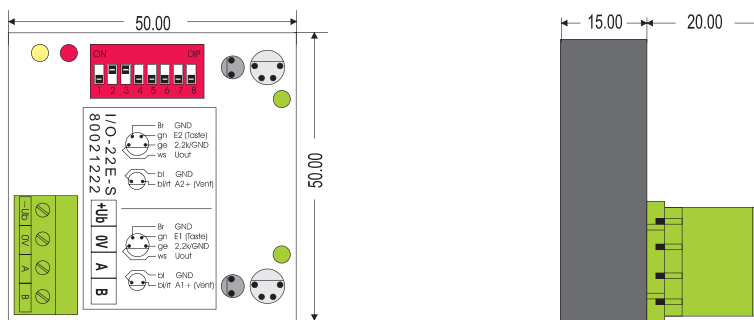
Type	I/O-22E-S-NPN
Art. Nr.	80021222
Operating voltage	12 - 30V DC
Current consumption	25mA at 24V
Inputs	12-27V DC, 5mA via optical coupler (4.7kOhm) for NPN outputs
Outputs	Transistor outputs for valves, +Ub, max. 1A
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	BxHxT 50x50x35mm

I/O-22E-S-NPN	Continued
Weight	ca. 75g
Connection	Screw terminals 2.5mm ² for BUS, cable plugs for sensors and valves
Operating voltage	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0...85 % r.F. non condensing
Protection class	IP 20
ESD immunity	Category 2 according to IEC 1000-4-2
EMC immunity	Use in typical industrial environment Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE mark	Yes

Terminal assignment

≅ Ub	Operating voltage
0V	Operating voltage
A	Subnet (BUS A, RS-485)
B	Subnet (BUS B, RS-485)

View



Wiring diagram

