I/O-44E

General

The built-in I/O module serves to launch sensors like luminous push-button or solenoid operated valves and buttons to the subnet. With this module 4 commands can be transfered to the BUS system and 4 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 and 2 solenoid operated valves.

Inputs / Outputs

- 4 PNP outputs, each 24V/max.1A (short circuit proof)
- 4 optical coupler inputs

Function displays

- 1 red LED indicates the operating voltage
- 1 yellow flasing LED indicates the communication with the master via subnet
- 4 green LED signalise the current on-state of the outputs

Connections

- 2 connections for the subnet (BUS A and B, RS-485)
- 2 connections for the operating voltage (Ub, 0V)
- 4 P-CON connector with each 1 output, 1 input, 1x 0V for output, 1x 0V for input

Design

- encapsulated in a plastic black cover for installation in foreign devices, loose or by dint of 2 screw fastenings

Special function of DIP switch 1

- reserve

Technical data

Type	I/O-44E
Art Nr.	80021244
Operating voltage	12 - 30V DC
Current consumption	20 mA - 4A according to output exposure
Inputs	12-30V 5mA via optical coupler (4,7kOhm)
Outputs	+Ub -2V, max. 1A via PNP transistor outputs short circuit proof
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	BxHxT 70x50x37mm

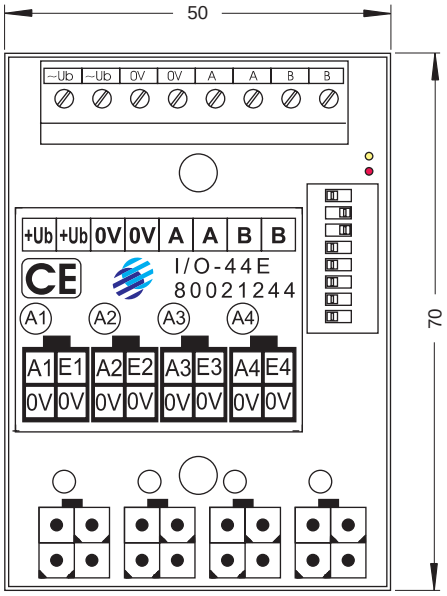
Technical data

I/O-44E	Continued
Weight	ca. 200g
Connection	Screw terminals 2,5mm² for BUS, in- outputs via P-CON connector
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 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