

## I/O-08E-24V-1A

### General

The I/O-08E-24V-1A module was conceived for shifting frequency applications. Via the used photomos relays it is possible to switch 8 circuits max. 5-35V DC or 5-27V AC / 1A. For inputs 8 optical coupler inputs 12-48V on a common counter potential are available. All in- and outputs can be programmed freely by using the software.

### In- / Outputs

- 8 photomos relay outputs, 5-35V DC or 5-27V AC / 1A
- 8 optical coupler inputs 12-48V

### Function displays

- 1 red LED indicates the operating voltage
- 1 flashing yellow LED indicates the communication with the master via subnet
- 8 green LED signalise the output states

### Connections

- 1 connection for the subnet (BUS A and B, RS485)
- 1 connection for the operation voltage (Ub, 0V)
- 8 outputs
- 8 inputs (on a common root)
- 2 P-COM connections (subnet and operating voltage)

### Design

- Light grey plastic, can be snapped onto 35 mm DIN rail mounting 6 separating units

### Special function DIP switch 1

emergency mode

- Switch „OFF“ = BUS-mode
- Switch „ON“ = emergency mode (8x impulse switch function, input E1 toggles output A1, input E2 toggles output A2, ...)

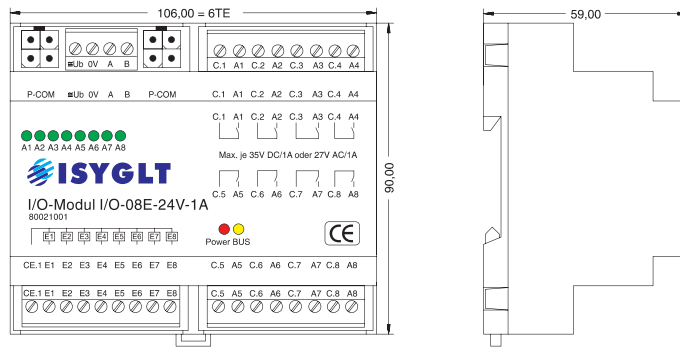
## Technical data

Type	I/O-08E-24V-1A
Art. Nr.	80021001
Operating voltage	16V to 35V DC or 16V to 27V AC
Power consumption	50mA at 24V DC (respectively all relays attracted)
Input	12-48V AC/DC, input current per input 5mA at 24V
Output	Photomos relays, 5-35V DC or 5-27V AC / 1A
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	BxHxT 159x90x59mm (9TE)
Weight	230g
Connection	Screw terminals 2,5mm <sup>2</sup> , Inputs and BUS plug-in
Operating voltage	-10...+50°C
Storage temperature	-25...+70°C
Humidity	0 ...85 % r.F. non condensing
Protection class	IP30
ESD immunity	Category 3 according to IEC-1000-4-2
EMC immunity	Use in typical industrial enviroment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE mark	yes

## Terminal assignment

≅ Ub	Operating voltage	C.1	Common for A1
0V	Operating voltage	A1	Output 1
A	Subnet (BUS A, RS-485)	C.2	Common for A2
B	Subnet (BUS B, RS-485)	A2	Output 2
E1	Input 1	C.3	Common for A3
E2	Input 2	A3	Output 3
E3	Input 3	C.4	Common for A4
E4	Input 4	A4	Output 4
E5	Input 5	C.5	Common for A5
E6	Input 6	A5	Output A5
E7	Input 7	C.6	Common for A6
E8	Input 8	A6	Output A6
CE.1	Common for E1 - E8	C.7	Common for A7
		A7	Output 7
		C.8	Common for A8
		A8	Output 8

### View



### Wiring diagram

