



I/O-04B-230V-12A

General

The I/O-04B-230V-12A module allows you to connect 4 circuits with a maximum of 230V/12A. The individual fuses can have any phasing. There are 4 optical coupler 12-48V inputs on a common counter

potential available. The functions of all the inputs and outputs can be freely programmed using the software

Inputs / Outputs

- 4 relay outputs, 230V/12A
- 4 optical coupler inputs 12-48V

Functions display

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

Connections

- 1 connection for the subnet (BUS A and B, RS-485)
- 1 connection for the operating voltage (Ub, 0V)
- 4 outputs (each on a common connection)
- 4 inputs (on a common reference terminal)
- 2 P-COM connections (subnet and operating voltage)

Design

- Light grey plastic casing, can be snapped onto 35 mm DIN rail mounting 4 separating units

Special function DIP switch 1 = emergency mode

- Switch „OFF“ = BUS operating
- Switch „ON“ = emergency mode (8x surge switching function: input E1 switches output A1, input E2 switches output A2, etc.)

Technical data

Type	I/O-04B-230V-12A
Art. Nr.	80022004
Operating voltage	16V to 35V DC or 16V to 27V AC
Power consumption	16V DC = 230mA, 24V DC = 150mA, 35V DC = 110mA 16V AC = 220mA, 24V AC = 140mA, 27V AC = 120mA (each relays are activated))
Inputs	12-48V AC/DC, input current per input 5mA at 24V
Minimum load of the contact	500mW, min. 10V, min. 5mA

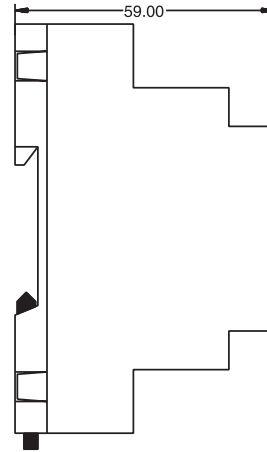
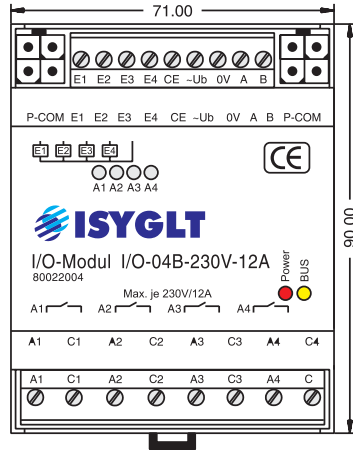
Technical data

I/O-04B-230V-12A	Continued
Output	Relay contact 250V. Load capacity: non inductive 12A bulbs 10A Fluorescent lamp uncompensated 6A Fluorescent lamp compensated 4A LV halogen via transformator 10A 1 phase motor 0,55kW Electro ballast's manufacturer-specific starting current 100A <20ms !! The starting current of electronic ballasts is up to 100 times the nominal current !!
Subnet (RS-485)	max. 5,6V limited by Z-diodes
Dimensions	BxHxT 71x90x59mm (4TE)
Weight	190g
Connection	Screw terminals 2,5mm ² , plug-in, BUS connector
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 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	A1	Output 1
0V	Operating voltage	C1	Common f. A1
A	Subnet (BUS A, RS-485)	A2	Output 2
B	Subnet (BUS B, RS-485)	C2	Common f. A2
		A3	Output 3
CE	Common f. E1-E4	C3	Common f. A3
E1	Input 1	A4	Output 4
E2	Input 2	C4	Common f. A4
E3	Input 3		
E4	Input 4		

View



Wiring diagram

