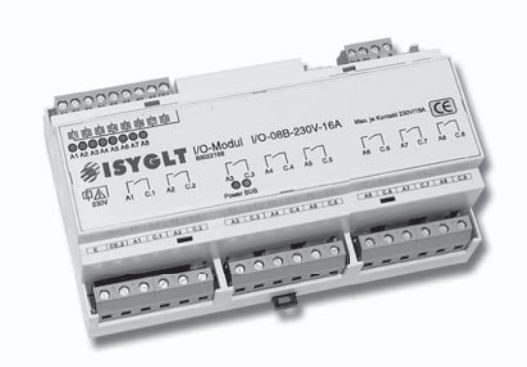
I/O-08B-230V-16A



General

The I/O-08B-230V-16A I/O module allows you to connect 8 circuits with a maximum of 230V/16A.
The individual fuses can have any phasing. There are 8 12-48V optical coupler inputs on a common counter potential available. The functions of all the inputs and outputs can be freely programmed using the software.

In- / Outputs

- 8 relay outputs, 230V/16A
- 8 optical coupler inputs 12-48V

Special emergency input

- If 230V is supplied to this input, all the relays will be activated. (Operating voltage must be available!) Emergency mode (8x surge switching function: Input E1 switches output A1, input E2 switches output A2, etc.)

Function display

- 1 rote LED indicates the operating voltage
- 1 yellow flashing LED indicates the communication with the master via subnet
- 8 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)
- 8 outputs
- 8 inputs (on a common connection)
- 2 P-COM connections (subnet and operating voltage)

Design

- Light grey plastic, can be snapped onto 35 mm DIN rail mounting 9 separating units

Special function DIP switsch 1 = emergency mode

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

Technical data

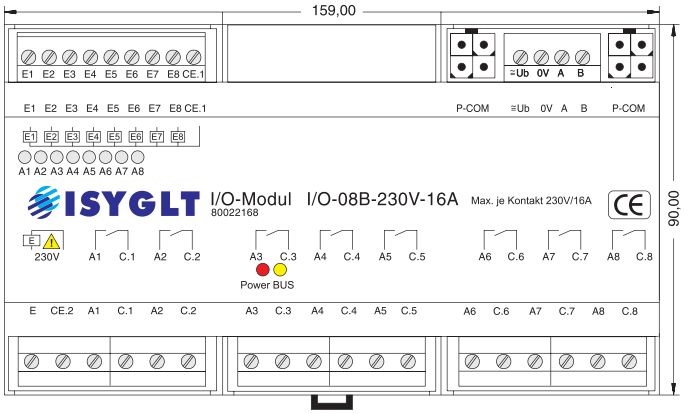
Type	I/O-08B-230V-16A
Art. Nr.	80022168
Operating voltage	16V to 35V DC or 16V to 27V AC
Power consumption	16V DC = 400mA, 24V DC = 250mA, 35V DC = 165mA 16V AC = 380mA, 24V AC = 220mA, 27V AC = 190mA (each relay are activated)
Input	12-48V AC/DC, input current per input 5mA at 24V
Output	Relay contact 250V Load capacity: non inductive 16A Bulbs 10A Fluorescent lamp uncompensated 6A Fluorescent lamp compensated 4A LV halogen via transformer 10A 1 phase motor 0,55kW Electronic 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 159x90x59mm (9TE)
Weight	430g
Connection	Screw terminals 2,5mm², 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

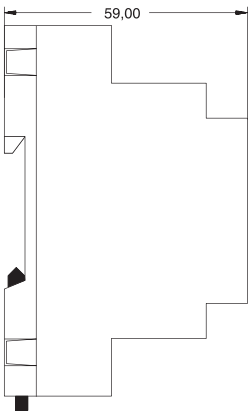
Terminal assignment

CE.2	N emergency Input	C.1	Common f. A1
E	230V emergency Input	A1	Output 1
CE.1	Common f. E1-E8	C.2	Common f. A2
E1	Input 1	A2	Output 2
E2	Input 2	C.3	Common f. A3
E3	Input 3	A3	Output 3
E4	Input 4	C.4	Common f. A4
E5	Input 5	A4	Output 4

Terminal assignment			Continued
E6	Input 6	C.5	Common f. A5
E7	Input 7	A5	Output 5
E8	Input 8	C.6	Common f. A6
		A6	Output 6
≅ Ub	Operating voltage	C.7	Common f. A7
0V	Operating voltage	A7	Output 7
A	Subnet (BUS A, RS-485)	C.8	Common f. A8
B	Subnet (BUS B, RS-485)	A8	Output 8

View





Wiring diagram