

### KID16-110

#### Digital input module

#### Basic functions

- Digital input module
- Digital signals – alarms, switching state, statuses receiving
- 16 digital inputs PNP type
- LED indication of active signals and serial communication
- Filtering digital inputs per impulse duration
- Galvanic isolation of digital inputs from the supply voltage and RS485 bus
- Connection with other modules through the RS485 bus



#### Application

Digital inputs module KID16 receives digital signals from the process and transmits them through the RS485 bus either to the SCADA directly or through data concentrator module KON or to the Atlas Max-RTL<sup>®</sup>.

#### Design

Cabur CH boxes (dimension WxDxH 24x85x121mm)

#### Connections

There are a 17-pin strip for digital inputs on the bottom and a 3-pin strip for the RS485 bus on the top and a 2-pin strip for the power supply. Digital inputs are not galvanically isolated from each other.

#### Technical specifications

<b>Operating temperature</b>	-20 to 60°C
<b>Operating humidity</b>	5 to 95% RH
<b>Nominal voltage</b>	110VDC
<b>Logical "0"</b>	0-82VDC
<b>Logical "1"</b>	85-150VDC
<b>Input current</b>	0,5mA
<b>Power supply</b>	5V DC
<b>Consumption</b>	max 100mA@5V

PIN Layout

CON.1		
PIN	Signal name	Description
1	IN1	+INPUT1
2	IN2	+INPUT2
3	IN3	+INPUT3
4	IN4	+INPUT4
5	IN5	+INPUT5
6	IN6	+INPUT6
7	IN7	+INPUT7
8	IN8	+INPUT8
9	IN9	+INPUT9
10	IN10	+INPUT10
11	IN11	+INPUT11
12	IN12	+INPUT12
13	IN13	+INPUT13
14	IN14	+INPUT14
15	IN15	+INPUT15
16	IN16	+INPUT16
17	COM	COMMON POINT OF ALL INPUTS

CON.2		
PIN	Signal name	Description
	RS485	
18	A	Reception/transmission+
19	B	Reception/transmission-
20	C	Common point

CON.3	
PIN	Description
21	+5V
22	GND5V