

KRA4

Analog input module

Basic functions

- Analog input module
- Reception of voltage analog signals from the converter
- 8 differential analog inputs with galvanic isolation between channels
- Galvanic isolation between inputs and power supply
- Filtering analog inputs by time
- Software setting of voltage input range for each channel independently
- Connection to other modules via RS485 bus
- LED indication of over and under range



Application

The KVA8 analog input module accepts voltage analog signals from the process and transmits them via the RS485 bus either to SCADA directly or to Atlas Max-RTL[®].

Design

Cabur CH boxes (Dimensions WxDxH 24x85x121mm)

Connections

There is a 17- pin module for introducing analog inputs on the bottom side and on the upper side there are 3- pin module for the RS485 bus and 2- pin module for the power supply. The analog inputs are galvanically isolated from each other.

Technical specifications

Operating temperature	-20 to 60 °C
Operating humidity	5 to 95% RH
Opseg merenja	0 to 5k
Input types	Resistance, Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni250, Ni1000, Cu10, Cu100, Cu53 three-wire or four-wire
Measurement accuracy	+/- 0.1 Om
- power supply	5V DC
- consumption	max 100mA@5V

Pin layout:

CON.1		
PIN	Signal name	DESCRIPTION
1	1I+	INPUT1 Current source
2	1V+	INPUT1+
3	1V-	INPUT1-
4	1I-	INPUT1 Current sink
5	2I+	INPUT2 Current source
6	2V+	INPUT2+
7	2V-	INPUT2-
8	2I-	INPUT2 Current sink
9	3I+	INPUT3 Current source
10	3V+	INPUT3+
11	3V-	INPUT3-
12	3I-	INPUT3 Current sink
13	4I+	INPUT4 Current source
14	4V+	INPUT4+
15	4V-	INPUT4-
16	4I-	INPUT4 Current sink
17	NC	Do not use

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

CON.3	
PIN	DESCRIPTION
21	+5V
22	GND