

KRL4

Analog input module

Basic functions

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

Application

The KRL4 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	0-50 °C
Operating humidity	5 to 95% RH
Measuring range	0 - 50k
Input types	Resistance, two-wire
Observational error	< 2 ‰
- power supply	5V DC
- consumption	max 100mA@5V



Pin layout:

CON.1		
PIN	Signal name	DESCRIPTION
1.	1Ra	
2.	1Ra	INPUT1 A
3.	1Rb	INPUT1 B
4.	1Rb	
5.	2Ra	
6.	2Ra	INPUT2 A
7.	2Rb	INPUT2 B
8.	2Rb	
9.	3Ra	
10.	3Ra	INPUT3 A
11.	3Rb	INPUT3 B
12.	3Rb	
13.	4Ra	
14.	4Ra	INPUT4 A
15.	4Rb	INPUT4 B
16.	4Rb	
17.	COM	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