



Device Description:

ATX448 module provides monitoring of four external analog sensors working in one of six standards:

- binary input with line status control
- analog input 0-10 V
- analog input 4-20 mA
- analog input 5-15 Hz
- Namur standard input
- PT1000 input

The module has independent certificate from certification body that confirms meeting the requirements of ATEX Directive, what allows the module to be used in any hardware configuration. The construction of the module meets the requirements of IEC61131 norm in range of standardization of functional and operational features and programming process.

Technical characteristics:

ATEX certificate number	FTZÚ 13 ATEX 0090X
Supply parameters:	
Supply voltage U_N	6,5 ÷ 15 VDC
Maximum supply voltage U_I	15,8 VDC
Maximum supply current I_I	2,73 A
Maximum current draw from battery I_{AK}	
for version RS485 / I2C	< 10 mA
for version CAN	< 15 mA
Local communication bus	RS485 / CAN / I2C (possible versions of module implementation)
Transmission speed for interfaces:	
I2C	100 000 bps
RS485	9600, 19200, 38400, 57600, 115200 bps
CAN	20000, 50000, 125000, 250000, 500000, 1000000 bps
Number of analog inputs (binary input with line status control, 0-10 V, 4-20 mA, 5-15 Hz, Namur, PT1000)	4
Normal working conditions:	
Casing type	I M1 Ex ia I Ma module placed in device with Ip54 casing protection degree and meeting the requirements of EN 60079-11:2012 norm
Working temperature range	0 ÷ 60 °C