



Device Description:

ATX401 module provides monitoring of eight external binary sensors. Additionally the status of cable line connecting the sensor with the module is controlled. On selected inputs there are a possibility of counting pulses generated by the sensors individually or in pairs of two sensors generating Gray code. The module can be equipped with one of three available interfaces: I2C, RS485 or CAN. 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 along with other modules of PLC controller, matched with customer needs. The construction of module meets the requirements of IEC61131 norm in range of functional and operational features and programming process. To keep appropriate intrinsically safe feature the module should be placed in casing providing at least IP54 protection degree and meeting the requirements of EN 60079-11:2012 norm.

Technical characteristics:

ATEX certificate number	FTZÚ 13 ATEX 0082X
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 I2C or Rs485	< 20 mA
for version CAN	< 25 mA
Number of monitored external binary sensors	8
Transmission speed for interfaces:	
I2C	100 000 bps
RS485	9600, 19200, 38400, 57600, 115200 bps
CAN	20000, 50000, 125000, 250000, 500000, 1000000 bps
Normal working conditions:	
Casing type	I M1 Ex ia I Ma (module build in device with IP54 casing protection degree and meeting the requirements of EN 60079-11:2012 norm)
Working temperature range	0 ÷ 60 °C