



Device Description:

ATX446 module is a keyboard with 16 keys equipped with I2C interface. 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 in range of standardization of functional and operational features and programming process. To keep appropriate intrinsically safe feature the module should be placed in a casing with at least IP54 protection degree and meeting the requirements of EN 60079-11:2012 norm.

Technical characteristics:

ATEX certificate number	FTZÚ 13 ATEX 0088X
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}	< 10 mA
Local communication bus	I2C
Transmission speed	100 000 bps
Number of keyboard buttons	16
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