Product data sheet
Characteristics

XXZBOX01
Ultrasonic sensor configuration interface



Main

Accessory / separate part destination	Ultrasonic sensor
Product compatibility	XXS ultrasonic sensors XXA ultrasonic sensors
Accessory / separate part category	Configuration accessories
Accessory / separate part type	Configuration software

Complementary

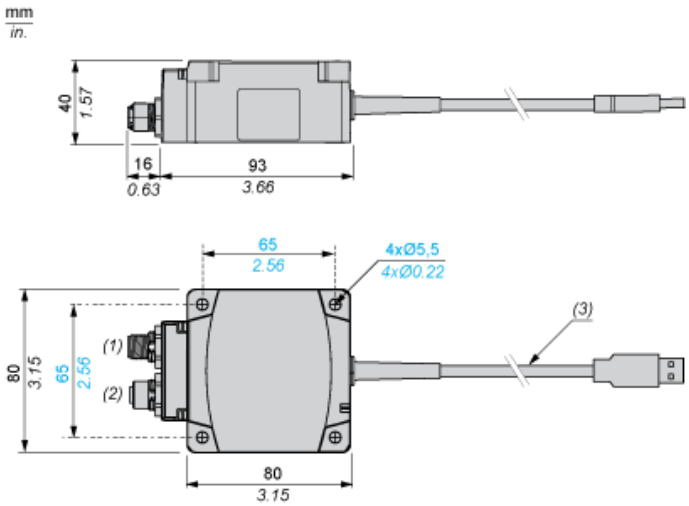
[Us] rated supply voltage	24 V DC
Supply voltage limits	14...30 V
Power consumption in W	4 W
Local signalling	LED green power supply LED orange communication LED red error
Cable distance between devices	3000 mm
Transmission rate	19200 bps
Connector type	M12 female 5 pins M12 male 5 pins
Integrated connection type	USB type A 0.5 m
Material	Plastic and metal

Environment

Standards	CE
IP degree of protection	IP40 IEC 60529
Ambient air temperature for storage	-20...45 °C
Ambient air temperature for operation	0...45 °C
Relative humidity	95 % without condensation

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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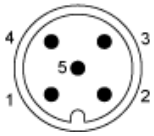
Dimensions



(1) : Male M12 connector, 5-pin: power supply
(2) : Female M12 connector, 5-pin: sensor
(3) : Cable length: 0.5 m/1.64 ft. (USB cable A type connector): PC

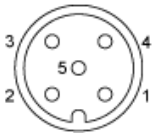
Connections

Interface Connector for Power Supply Adapter (M12 Male)



Pin number	Wire color	Description
1	BN: Brown	+14…30 VDC
2	WH: White	Output 2 (1) (2)
3	BU: Blue	0 VDC
4	BK: Black	Output 1 (1)
5	–	Not used (3)

Interface Connector for Sensor (M12 Female)



(1) : Output is only active during the “echo display” mode and “measure” mode.
(2) : Output 2 is not available on all sensors.
(3) : The 5th pins of the M12 male and M12 female connectors are electrically connected to one another.

Pin number	Description
1	Power out to sensor
2	Software communication
3	0 VDC
4	Software communication
5	Not used (3)