Product data sheet
Characteristics

XZBA41D1M12
ZPA control Box- M12 connection- sensor and actuator connection IP67

Main

Range of product	OsiSense XU
Product or component type	Control box
Product compatibility	Electronic sensors
Product specific application	Conveying applications
Enclosure material	Plastic

Complementary

[Ue] rated operational voltage	24 V DC
Input/Output number	5
Discrete input voltage	24 V DC
Discrete input type	NPN (I4 terminals) PNP (I3 terminals)
Discrete output current	200 mA (I4 terminals) 45 mA (I3 terminals)
Sensor power supply	18...30 V at 280 mA, protection type: overload, short-circuit and reverse polarity protection
Electrical connection	1 female connector, connector type: M12 - encoding type: A coding, 4 ways - location: upstream link (I1 terminals) 1 female connector, connector type: M12 - encoding type: A coding, 4 ways , circuit application: transmittor supply (I2 terminals) 1 female connector, connector type: M12 - encoding type: A coding, 4 ways , circuit application: sensor input (I3 terminals) 1 female connector, connector type: M12 - encoding type: A coding, 4 ways , circuit application: output control relay (I4 terminals) 1 male connector, connector type: M12 - encoding type: A coding, 4 ways - location: downstream link (I5 terminals)
Local signalling	1 LED (yellow) for upstream load 1 LED (red) for wake up 1 LED (green) for input status 1 LED (yellow) for output relay state 1 LED (green) for downstream load
Operating position	Any position
Fixing mode	By 2 screws
Product weight	0.18 kg

Environment

Marking	CE
Ambient air temperature for operation	-10...60 °C
Ambient air temperature for storage	-25...85 °C
Relative humidity	5...95 % without condensation or dripping water
Pollution degree	3 conforming to EN/IEC 60664
IP degree of protection	IP67 conforming to IEC 60529
Vibration resistance	5 gn (f= 36...150 Hz) conforming to EN/IEC 60068-2-6 0.7 gn (f= 13.2...100 Hz) conforming to GL +/- 1 mm (f= 2...36 Hz) conforming to EN/IEC 60068-2-6 +/- 1 mm (f= 2...13.2 Hz) conforming to GL

Shock resistance	30 gn for 11 ms conforming to IEC 60068-2-27
Electromagnetic compatibility	Conducted RF disturbances at 10 V 150 kHz...80 MHz conforming to EN/IEC 61000-4-6 1.2/50 µs shock waves immunity test at 1 kV shielded links (differential mode) conforming to EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test at 0.5 kV shielded links (common mode) conforming to EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test at 1 kV unshielded links (differential mode) conforming to EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test at 0.5 kV unshielded links (common mode) conforming to EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test at 1 kV power supply (differential mode) conforming to EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test at 0.5 kV power supply (common mode) conforming to EN/IEC 61000-4-5 Electrical fast transient/burst immunity test at 1 kV shielded cable conforming to EN/IEC 61000-4-4 Electrical fast transient/burst immunity test at 1 kV input/output conforming to EN/IEC 61000-4-4 Electrical fast transient/burst immunity test at 2 kV power supply conforming to EN/IEC 61000-4-4 Susceptibility to electromagnetic fields at 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3 Susceptibility to electromagnetic fields at 1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3 Electrostatic discharge immunity test at 8 kV in air conforming to EN/IEC 61000-4-2 Electrostatic discharge immunity test at 4 kV on contact conforming to EN/IEC 61000-4-2