



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

System Voltage	24 V DC
Input/output number	5
Discrete input voltage	24 V DC
Discrete input type	PNP (I3 terminals) NPN (I4 terminals)
Discrete output current	45 mA (I3 terminals) 200 mA (I4 terminals)
Sensor power supply	18...30 V at 280 mA, protection type: overload, short-circuit and reverse polarity protection
Electrical connection	1 male connector, connector type: M12 - encoding type: A coding, 4 ways - location: downstream link (I5 terminals) 1 female connector, connector type: M12 - encoding type: A coding, 4 ways , circuit application: output control relay (I4 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: transmitter supply (I2 terminals) 1 female connector, connector type: M12 - encoding type: A coding, 4 ways - location: upstream link (I1 terminals)
Local signalling	1 LED (green) downstream load 1 LED (yellow) output relay state 1 LED (green) input status 1 LED (red) wake up 1 LED (yellow) upstream load
Operating position	Any position
Fixing mode	By 2 screws
Product weight	0.4 lb(US) (0.18 kg)

Environment

marking	CE
ambient air temperature for operation	14...140 °F (-10...60 °C)
ambient air temperature for storage	-13...185 °F (-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	+/- 1 mm (f= 2...13.2 Hz) conforming to GL +/- 1 mm (f= 2...36 Hz) conforming to EN/IEC 60068-2-6 0.7 gn (f= 13.2...100 Hz) conforming to GL 5 gn (f= 36...150 Hz) conforming to EN/IEC 60068-2-6
shock resistance	30 gn 11 ms conforming to IEC 60068-2-27
electromagnetic compatibility	Electrostatic discharge immunity test at 4 kV on contact conforming to EN/IEC 61000-4-2 Electrostatic discharge immunity test at 8 kV in air conforming to EN/IEC 61000-4-2 Susceptibility to electromagnetic fields at 1 V/m 2...2.7 GHz conforming to EN/IEC

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

61000-4-3
Susceptibility to electromagnetic fields at 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3
Electrical fast transient/burst immunity test at 2 kV power supply 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 1 kV shielded cable conforming to EN/IEC 61000-4-4
1.2/50 µs shock waves immunity test at 0.5 kV power supply (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 unshielded 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 shielded links (common mode) conforming to EN/IEC 61000-4-5
1.2/50 µs shock waves immunity test at 1 kV shielded links (differential mode) conforming to EN/IEC 61000-4-5
Conducted RF disturbances at 10 V 150 kHz...80 MHz conforming to EN/IEC 61000-4-6

Offer Sustainability

WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov