



Main

Range of product	OsiSense XG
Product or component type	Compact smart antenna
RFID compact station name	XGCS
RFID frequency	13.56 MHz
Design	290 x 40 x 25
Electrical connection	5 pin(s) male remote connector M12, shielded cable cable 1 m
Transmission rate	9600 bauds...115200 bauds (automatic detection)
Outer dimension	290 x 40 x 25 mm
Product compatibility	RFID microchip INSIDE (micropass) RFID microchip STM (CRIX4K) RFID microchip Texas (Tag-it HFI) RFID microchip Fujitsu (MB89R118 - MB89R119) RFID microchip NXP (SL2, SL1, Ultralight, Std 1K/4K, Desfire) RFID microchip Microelectronic (EM4135)
[Sn] nominal sensing distance	10...70 mm
[Us] rated supply voltage	24 V DC conforming to Protective Extra Low Voltage

Complementary

Communication port protocol	Modbus RTU
Communication port support	RS485
Associated tag type	Automatic detection of the type of tag ISO 14443 standard tags ISO 15693 standard tags
Supply voltage limits	19.2...29 V DC
Current consumption	< 60 mA
Status LED	1 LED (dual colour) for communication network 1 LED (dual colour) for RFID communication
Marking	CE
Product weight	0.228 kg

Environment

Product certifications	UL, FCC
Standards	ETSI EN 301 489-1 ETSI EN 301 489-3 ETSI EN 300 330-1 ETSI EN 300 330-2
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
IP degree of protection	IP65 conforming to IEC 60529
Vibration resistance	(F = 5...29.5 Hz) conforming to EN 60068-2-6 (F = 29.5...150 Hz) conforming to EN 60068-2-6
Shock resistance	30 gn for 11 ms conforming to EN 60068-2-27

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.

IK degree of protection	IK02 conforming to EN 50102
Electromagnetic compatibility	<p>Electrostatic discharge immunity test for contact discharge (level: 3) - test level 6 kV conforming to IEC 61000-4-2</p> <p>Electrostatic discharge immunity test for air discharge (level: 3) - test level 8 kV conforming to IEC 61000-4-2</p> <p>Electrical fast transient/burst immunity test for signal ports (level: 3) - test level 1 kV conforming to IEC 61000-4-4</p> <p>Electrical fast transient/burst immunity test for power ports (level: 3) - test level 2 kV conforming to IEC 61000-4-4</p> <p>Susceptibility to electromagnetic fields (level: 3) - test level 10 V/m conforming to IEC 61000-4-3</p> <p>1.2/50 μs shock waves immunity test (level: 3) - test level 10 kV conforming to IEC 61000-4-5</p> <p>Conducted RF disturbances (level: 3) - test level 10 V conforming to IEC 61000-4-6</p> <p>Magnetic field at power frequency (level: 4) - test level 30 A/m conforming to IEC 61000-4-8</p>

Offer Sustainability

Sustainable offer status	Not Green Premium product
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