



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 Fujitsu (MB89R118 - MB89R119) RFID microchip STM (CR1X4K) RFID microchip Microelectronic (EM4135) RFID microchip Texas (Tag-it HFI) RFID microchip INSIDE (micropass) RFID microchip NXP (SL2, SL1, Ultralight, Std 1K/4K, Desfire)
[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	ISO 14443 standard tags Automatic detection of the type of tag ISO 15693 standard tags
Supply voltage limits	19.2...29 V DC
Current consumption	< 60 mA
Status LED	Communication network: 1 LED (dual colour) RFID communication: 1 LED (dual colour)
Marking	CE
Net weight	0.228 kg

Environment

Product certifications	UL, FCC
Standards	ETSI EN 300 330-2 ETSI EN 300 330-1 ETSI EN 301 489-1 ETSI EN 301 489-3
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	2 mm (f= 5...29.5 Hz) conforming to EN 60068-2-6 7 gn (f= 29.5...150 Hz) conforming to EN 60068-2-6
Shock resistance	30 gn for 11 ms conforming to EN 60068-2-27

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	484 g
Package 1 Height	9 cm
Package 1 width	9 cm
Package 1 Length	55 cm

Offer Sustainability

REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration