



Main

Range of product	OsiSense XG
Product or component type	Panel mounting smart antenna
RFID compact station name	XGCS
RFID frequency	13.56 MHz
Design	Diameter 22 mounting
Electrical connection	5 pin(s) 1 male connector M12
Outer dimension	40 x 40 x 40 mm
Product compatibility	RFID microchip Texas (Tag-it HFI) RFID microchip Fujitsu (MB89R118 - MB89R119) RFID microchip NXP (Mifare classic 1K/4K)
[Sn] nominal sensing distance	10...70 mm
[Us] rated supply voltage	24 V DC conforming to Protective Extra Low Voltage

Complementary

Operating mode	Standalone
Type of output signal	Discrete
Discrete output function	1 NO
Discrete output type	PNP
Switching capacity in mA	300 mA (overload and short-circuit protection)
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 output state 1 LED (dual colour) for RFID communication
Tightening torque	< 2.2 N.m
Marking	CE
Product weight	0.057 kg

Environment

Product certifications	CE
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	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

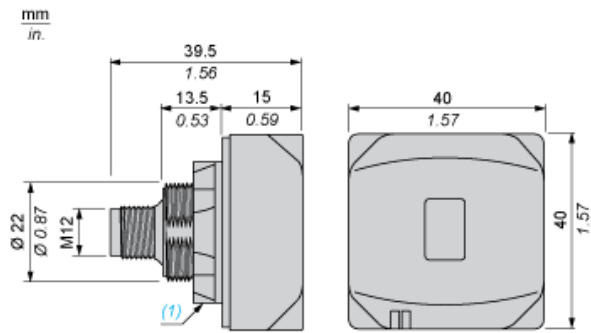
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IK degree of protection	IK02 conforming to EN 50102
Electromagnetic compatibility	<p>Electrostatic discharge immunity test for contact discharge (level: 3) - test level 6 kV conforming to IEC 61000-4-2</p> <p>Electrostatic discharge immunity test for air discharge (level: 3) - test level 8 kV conforming to IEC 61000-4-2</p> <p>Susceptibility to electromagnetic fields (level: 3) - test level 10 V/m conforming to IEC 61000-4-3</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>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	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1717 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

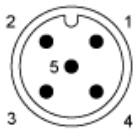
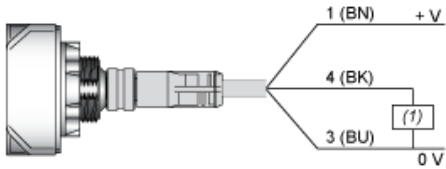
Dimensions



(1) Locking nut

Connections

Wiring Diagrams (Sensor Socket)

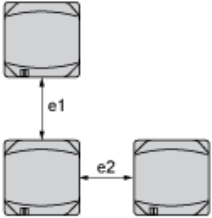


(1) Load

Pin no.	Description
1	+ 24 VDC
2	Reserved - Do not connect
3	0 V
4	PNP Output
5	Reserved - Do not connect

Mounting and Clearance

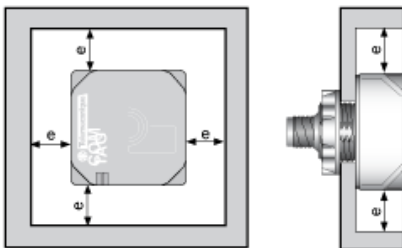
Minimum Distance Between 2 Identical Smart Antennas



$e1 = e2 \geq 310 \text{ mm} / 12.2 \text{ in.}$

Mounting and Clearance

Mounting on a Metal Structure



$e > 20 \text{ mm} / 0.7 \text{ in.}$