Product datasheet
Characteristics

xgcs4901201
RFID compact smart antenna - 13.56MHz - flat form 40x40x15 - M12 - cable 0.2m



Main

Range of product	OsiSense XG
Product or component type	Compact smart antenna
RFID compact station name	XGCS
RFID frequency	13.56 MHz
Design	Flat form 40 x 40 x 15
Electrical connection	5 pin(s)male remote connector M12, shielded cable cable 0.2 m
Transmission rate	9600 bauds...115200 bauds (automatic detection)
Outer dimension	40 x 40 x 15 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 Uni-Telway
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
Tightening torque	< 1 N.m
Marking	CE
Product weight	0.057 kg

Environment

Product certifications	UL, FCC
Standards	EN 301489-1 EN 301489-3 ETS 300330-1 ETS 300330-2
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
IP degree of protection	IP67 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 forcontact discharge (level: 3) - test level 6 kV conforming to IEC 61000-4-2

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	Electrostatic discharge immunity test forair discharge (level: 3) - test level 8 kV conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields (level: 3) - test level 10 V/m conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test forsignal ports (level: 3) - test level 1 kV conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test forpower ports (level: 3) - test level 2 kV conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test (level: 3) - test level 10 kV conforming to IEC 61000-4-5 Conducted RF disturbances (level: 3) - test level 10 V conforming to IEC 61000-4-6 Magnetic field at power frequency (level: 4) - test level 30 A/m conforming to IEC 61000-4-8

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0824 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Available