XGCS8901201
RFID compact smart antenna - 13.56MHz - flat form 80x80x26 - 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 80 x 80 x 26
- 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: 80 x 80 x 26 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: 20...100 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: < 3 N.m
- Marking: CE

Disclaimer: 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.
### Environment

| Product weight | 0.257 kg |

#### 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

#### IK degree of protection
- IK02 conforming to EN 50102

#### Electromagnetic compatibility
- Electrostatic discharge immunity test for contact discharge (level: 3) - test level 6 kV conforming to IEC 61000-4-2
- Electrostatic discharge immunity test for air 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 for signal ports (level: 3) - test level 1 kV conforming to IEC 61000-4-4
- Electrical fast transient/burst immunity test for power 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 (date code: YYWW) | Compliant |

#### REACH
- Reference not containing SVHC above the threshold

#### Product environmental profile
- Available

#### Product end of life instructions
- Available

### Contractual warranty

| Warranty period | 18 months |