


# Product data sheet

# XGCS491B201

RFID panel-mounting smart antenna XG, 13.56 MHz, M12 connector, PNP output, standalone, front panel mounting

## Main

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|---|---|
| Range of product | Telemecanique Radio frequency identification XG |
| Product or component type | Panel mounting smart antenna |
| RFID compact station name | XGCS |
| Design | Diameter 22 mounting |
| Sensor design | DIAMETER 22 MOUNTING |
| ETIM classification | ETIM 9 - EC002996 - RFID transponder |
| RFID frequency | 13.56 MHz |
| Outer dimension | 40 x 40 x 40 mm |
| Product certifications | CE |
| Marking | CE |
| Standards | ETSI EN 300 330-1<br>ETSI EN 300 330-2<br>ETSI EN 301 489-1<br>ETSI EN 301 489-3 |
| Product compatibility | RFID microchip Fujitsu (MB89R118 - MB89R119)<br>RFID NXP Classic (1K/4K)<br>RFID microchip Texas (Tag-it HFI) |
| Indivisible sale quantity | 1 |

## Complementary

| | |
|---|---|
| Electrical connection | 5 pin(s)1 male connector M12 |
| Supply voltage limits | 19.2-29 V DC |
| [Us] rated supply voltage | 24 V DC conforming to Protective Extra Low Voltage |
| Switching capacity in mA | 300 mA (overload and short-circuit protection) |
| Current consumption | < 60 mA |
| Operating mode | Standalone |
| Status LED | RFID communication: 1 LED (dual colour), output state: 1 LED (dual colour) |
| Type of output signal | Discrete |
| Associated tag type | Automatic detection of the type of tags<br>ISO 14443 standard tags<br>ISO 15693 standard tags |
| Discrete output type | PNP |
| Tightening torque | < 2.2 N.m |

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.
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| Discrete output function | 1 NO |
| Product weight | 0.057 kg |

## Environment

| | |
|---|---|
| IK degree of protection | IK02 conforming to IEC 62262 |
| IP degree of protection | IP65 conforming to IEC 60529 |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…85 °C |
| Shock resistance | 30 gn for 11 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 2 mm (f= 5-29.5 Hz) conforming to IEC 60068-2-6, 7 gn (f= 29.5-150 Hz) conforming to IEC 60068-2-6 |
| 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 |

## Offer Sustainability

| | |
|---|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

## Warranty

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|---|---|
| Warranty | 18 months |

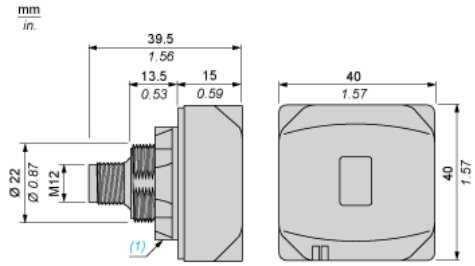
## Packing Units

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|---|---|
| Country of origin | FR (France) |
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916060339 |
| Package 1 height | 4.8 cm |
| Package 1 width | 6.6 cm |
| Package 1 length | 8.6 cm |
| Package 1 weight | 0.257 kg |
| Unit type of package 2 | S01 |
| Number of units in package 2 | 22 |
| New Package 2 GTIN 14 | 13666916060336 |
| Package 2 height | 15 cm |
| Package 2 width | 15 cm |
| Package 2 length | 40 cm |

| | |
|---|---|
| Package 2 weight | 1.929 kg |
| Unit type of package 3 | CAR |
| Number of units in package 3 | 1 |
| New Package 3 GTIN 14 | 23666916060333 |
| Package 3 height | 9.5 cm |
| Package 3 width | 6.5 cm |
| Package 3 length | 4.2 cm |
| Package 3 weight | 0.08 kg |

## Technical Drawings

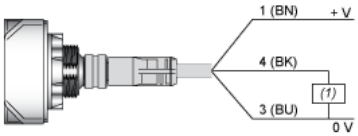
### Dimensions




- (1) Locking nut

### Connections

#### Wiring Diagrams (Sensor Socket)



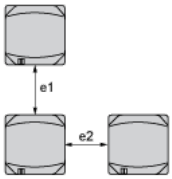




- (1) Load

### Mounting and Clearance

#### Minimum Distance Between 2 Identical Smart Antennas

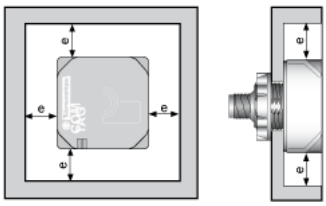



- e1 = e2 ≥ 310 mm / 12.2 in.

## Mounting and Clearance

### Mounting on a Metal Structure





- e > 20 mm / 0.7 in.