

Product data sheet

XGCS490B201

RFID panel-mounting smart antenna XG, 13 MHz, format D, M12 connector, front panel mounting, M22 mounting

Main

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
Transmission rate	9600 bauds...115200 bauds (automatic detection)
Communication port protocol	Modbus RTU
Outer dimension	40 x 40 x 40 mm
Product certifications	UL, FCC
Marking	CE
Standards	ETSI EN 300 330-1 ETSI EN 300 330-2 ETSI EN 301 489-1 ETSI EN 301 489-3
Product compatibility	RFID microchip Fujitsu (MB89R118 - MB89R119) RFID microchip INSIDE (micropass) RFID microchip Microelectronic (EM4135) RFID microchip STM (CRIX4K) RFID microchip NXP (SL2, SL1, Ultralight, Std 1K/4K, Desfire) 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
Current consumption	< 60 mA
Status LED	Communication network: 1 LED (dual colour), RFID communication: 1 LED (dual colour)
Communication port support	RS485 non isolated
Associated tag type	Automatic detection of the type of tags ISO 14443 standard tags ISO 15693 standard tags

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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Tightening torque	< 2.2 N.m
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

Warranty	18 months

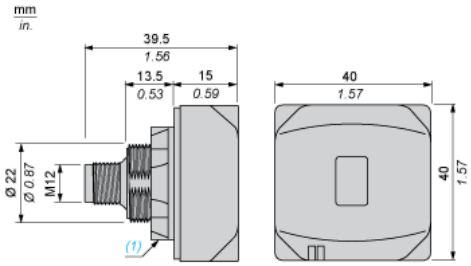
Packing Units

Country of origin	FR (France)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916060346
Package 1 height	4.4 cm
Package 1 width	6.4 cm
Package 1 length	9.4 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	13666916060343
Package 2 height	15 cm
Package 2 width	15 cm
Package 2 length	40 cm

Package 2 weight	1.841 kg
Unit type of package 3	CAR
Number of units in package 3	1
New Package 3 GTIN 14	23666916060340
Package 3 height	9.5 cm
Package 3 width	6.5 cm
Package 3 length	4.2 cm
Package 3 weight	0.078 kg

Technical Drawings

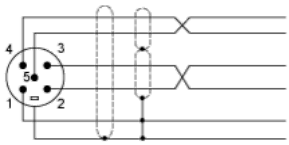
Dimensions



- (1) Locking nut

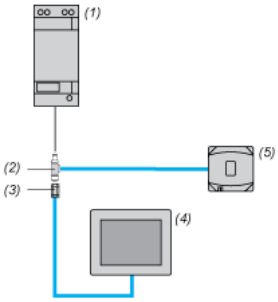
Connections

Modbus Connections



Connection Examples

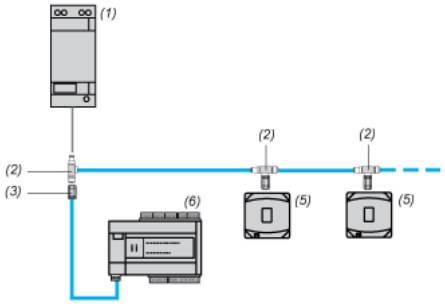
Connection to a Terminal



- (1) Power supply
- (2) Network Tee
- (3) Male M12 connector
- (4) Terminal
- (5) Smart antenna

Connection Examples

Connection to an Automation Platform



- (1) Power supply
- (2) Network Tee
- (3) Male M12 connector
- (4) Terminal
- (5) Smart antenna
- (1) Power supply
- (2) Network Tee
- (3) Male M12 connector
- (4) Terminal
- (5) Smart antenna
- (6) Automation platform

Mounting and Clearance

Minimum Distance Between 2 Identical Smart Antennas According to their Positioning and Type of Tag Used

