



### Main

|                               |                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Telemecanique Radio frequency identification 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 1 male connector M12                                                                                                         |
| Outer dimension               | 40 x 40 x 40 mm                                                                                                                |
| Product Compatibility         | RFID microchip NXP (Mifare classic 1K/4K)<br>RFID microchip Texas (Tag-it HFI)<br>RFID microchip Fujitsu (MB89R118 - MB89R119) |
| [Sn] nominal sensing distance | 0.39...2.76 in (10...70 mm)                                                                                                    |
| [Us] rated supply voltage     | 24 V DC 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      | ISO 14443 standard tags<br>ISO 15693 standard tags<br>Automatic detection of the type of tag |
| Supply voltage limits    | 19.2...29 V DC                                                                               |
| Current Consumption      | < 60 mA                                                                                      |
| Status LED               | RFID communication 1 LED dual colour)<br>Output state 1 LED dual colour)                     |
| Tightening torque        | < 2.2 N.m                                                                                    |
| Marking                  | CE                                                                                           |
| Product Weight           | 0.13 lb(US) (0.057 kg)                                                                       |

### Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Product Certifications                | CE                                                                               |
| Standards                             | ETSI EN 301 489-1<br>ETSI EN 300 330-1<br>ETSI EN 301 489-3<br>ETSI EN 300 330-2 |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)                                                       |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                                       |
| IP degree of protection               | IP65 IEC 60529                                                                   |
| Vibration resistance                  | 2 mm 5...29.5 Hz)EN 60068-2-6<br>7 gn 29.5...150 Hz)EN 60068-2-6                 |
| Shock resistance                      | 30 gn 11 ms EN 60068-2-27                                                        |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IK degree of protection       | IK02 EN 50102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electromagnetic compatibility | Electrostatic discharge immunity test 6 kV contact discharge) 3 IEC 61000-4-2<br>Electrostatic discharge immunity test 8 kV air discharge) 3 IEC 61000-4-2<br>Electrical fast transient/burst immunity test 1 kV signal ports) 3 IEC 61000-4-4<br>Electrical fast transient/burst immunity test 2 kV power ports) 3 IEC 61000-4-4<br>Susceptibility to electromagnetic fields 10 V/m3 IEC 61000-4-3<br>1.2/50 µs shock waves immunity test 10 kV3 IEC 61000-4-5<br>Conducted RF disturbances 10 V3 IEC 61000-4-6<br>Magnetic field at power frequency 30 A/m4 IEC 61000-4-8 |

## Ordering and shipping details

|                   |                                        |
|-------------------|----------------------------------------|
| Category          | 22491-SENS,IDENTIFICATION DEVICE (XGK) |
| Discount Schedule | DS2                                    |
| GTIN              | 3389119635943                          |
| Returnability     | No                                     |
| Country of origin | FR                                     |

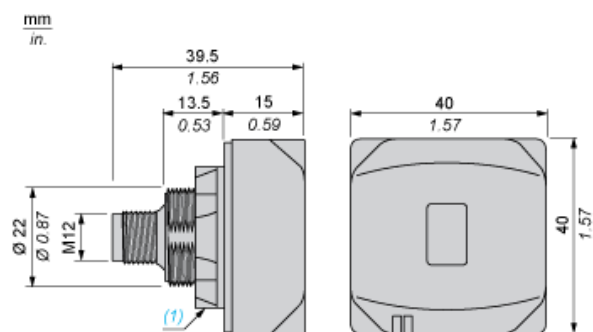
## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 2.60 in (6.6 cm)       |
| Package 1 Width              | 1.89 in (4.8 cm)       |
| Package 1 Length             | 3.39 in (8.6 cm)       |
| Package 1 Weight             | 2.68 oz (76.0 g)       |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 22                     |
| Package 2 Height             | 5.91 in (15.0 cm)      |
| Package 2 Width              | 5.91 in (15.0 cm)      |
| Package 2 Length             | 15.75 in (40.0 cm)     |
| Package 2 Weight             | 4.25 lb(US) (1.929 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                                                                                                    |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                                                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                           |

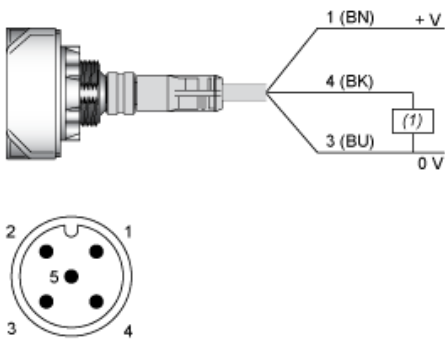
## Dimensions



(1) Locking nut

Connections

Wiring Diagrams (Sensor Socket)



(1) Load

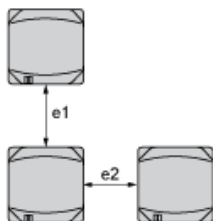
| Pin no. | Description               |
|---------|---------------------------|
| 1       | + 24 VDC                  |
| 2       | Reserved - Do not connect |
| 3       | 0 V                       |
| 4       | PNP Output                |
| 5       | Reserved - Do not connect |

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## Mounting and Clearance

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### Minimum Distance Between 2 Identical Smart Antennas



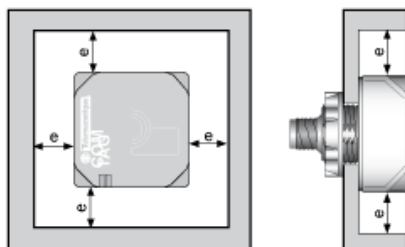
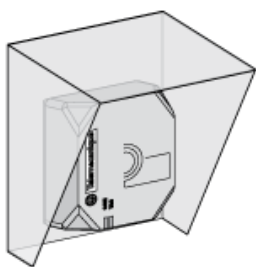
$e1 = e2 \geq 310 \text{ mm} / 12.2 \text{ in.}$

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## Mounting and Clearance

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### Mounting on a Metal Structure



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