Product data sheet
Characteristics

XGW4F111
Compact smart antenna, Radio frequency identification XG, RFID Wand reader, 13.56 MHz



Main

Range of Product	Telemecanique Radio frequency identification XG
Product or Component Type	Compact smart antenna
RFID compact station name	XGCS
RFID Frequency	13.56 MHz
Design	290 x 40 x 25
Electrical connection	5 male remote connector M12, shielded cable 3.28 ft (1 m)
Transmission Rate	9600 bauds...115200 bauds (automatic detection)
Outer dimension	290 x 40 x 25 mm
Product Compatibility	RFID microchip Fujitsu (MB89R118 - MB89R119) RFID microchip STM (CRIX4K) RFID microchip Microelectronic (EM4135) RFID microchip Texas (Tag-it HFI) RFID microchip INSIDE (micropass) RFID microchip NXP (SL2, SL1, Ultralight, Std 1K/4K, Desfire)
[Sn] nominal sensing distance	0.39…2.76 in (10…70 mm)
[Us] rated supply voltage	24 V DC Protective Extra Low Voltage

Complementary

Communication Port Protocol	Modbus RTU
Communication port support	RS485
Associated tag type	ISO 14443 standard tags Automatic detection of the type of tag ISO 15693 standard tags
Supply voltage limits	19.2…29 V DC
Current Consumption	< 60 mA
Status LED	Communication network 1 LED dual colour) RFID communication 1 LED dual colour)
Marking	CE
Net Weight	0.50 lb(US) (0.228 kg)

Environment

Product Certifications	UL, FCC
Standards	ETSI EN 300 330-2 ETSI EN 300 330-1 ETSI EN 301 489-1 ETSI EN 301 489-3
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 7 gn 29.5…150 Hz)EN 60068-2-6
Shock resistance	30 gn 11 ms EN 60068-2-27

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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IK degree of protection	IK02 EN 50102
Electromagnetic compatibility	Electrostatic discharge immunity test 6 kV contact discharge) 3 IEC 61000-4-2 Electrostatic discharge immunity test 8 kV air discharge) 3 IEC 61000-4-2 Electrical fast transient/burst immunity test 1 kV signal ports) 3 IEC 61000-4-4 Electrical fast transient/burst immunity test 2 kV power ports) 3 IEC 61000-4-4 Susceptibility to electromagnetic fields 10 V/m3 IEC 61000-4-3 1.2/50 µs shock waves immunity test 10 kV3 IEC 61000-4-5 Conducted RF disturbances 10 V3 IEC 61000-4-6 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	3389119608961
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.54 in (9.0 cm)
Package 1 Width	3.54 in (9.0 cm)
Package 1 Length	21.65 in (55.0 cm)
Package 1 Weight	17.07 oz (484.0 g)

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
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration

Contractual warranty

Warranty	18 months