

XGCS850C201

RFID compact smart antenna 13.56 MHz-
Ethernet dual port communication

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	OsiSense XG
Product or component type	Compact smart antenna
RFID compact station name	XGCS
RFID frequency	13.56 MHz
Design	80 x 93 x 40
Electrical connection	4 pin(s) male power supply socket M8 4 pin(s) female Ethernet socket 1 M12 4 pin(s) female Ethernet socket 2 M12
Transmission rate	10...100 Mbit/s
Outer dimension	80 x 93 x 40 mm
Product compatibility	RFID microchip INSIDE (micropass) RFID microchip STM (CR1X4K) 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	0.79...3.94 in (20...100 mm)
[Us] rated supply voltage	24 V DC conforming to Protective Extra Low Voltage

Complementary

Communication port protocol	Ethernet IP/Modbus TCP
Communication port support	Ethernet
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	< 150 mA
Status LED	1 LED (red/green) operation 1 LED (red/green) RFID communication 2 LEDs (red/green) Ethernet network activity 1 LED (red/green) status 1 LED (red/green) Module Status
Tightening torque	< 3 N.m
Marking	CE
Product weight	0.79 lb(US) (0.36 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the products 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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	UL, FCC
Standards	EN/IEC 61000-6-3 FCC CFR 47 part 15 RoHS compliant EN 50364 EN 62369-1 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	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-40...185 °F (-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 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

Ordering and shipping details

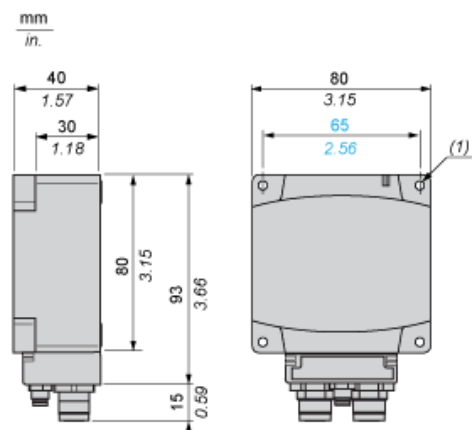
Category	22491 - SENS, IDENTIFICATION DEVICE (XGK)
Discount Schedule	DS2
GTIN	00785901707301
Nbr. of units in pkg.	1
Package weight(Lbs)	0.87
Returnability	N
Country of origin	FR

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Dimensions

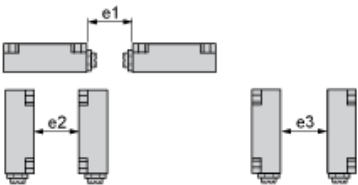
Compact Smart Antennas



(1) 4 x Ø 5.5. For CHC type screws

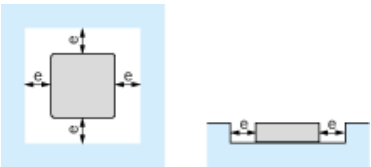
Minimum Mounting Distances

Distance Between Smart Antennas



Tag	e1	e2	e3
XGHB90E340 XGHB520246	430	750	280
XGHB221346	280	530	260
XGHB320***	310	540	240
XGHB211345 XGHB123345	200	370	170
XGHB44***	310	400	160

Minimum Mounting Distances in a Metal Structure

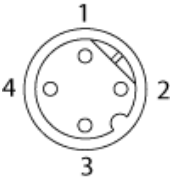


(e) ≥ 20 mm.

Wiring Diagram

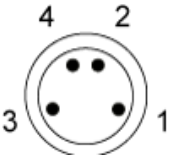
Ethernet Connections

Socket to Ethernet cabling (M12 connectors)



Pin no.	Signal
1	TD+
2	TD-
3	RD+
4	RD-

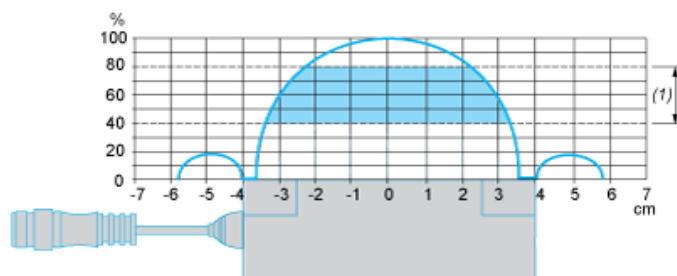
Socket to power supply cabling (M8 connector)



Pin no.	Signal
1	+ 24 VDC
2	NC
3	0 VDC
4	NC

Curves

Dialogue Zones of Compact Smart Antennas



(1) Recommended movement zone: between 0.4 and 0.8 Pn.

Mouser Electronics

Authorized Distributor

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