

# TCSAMT31FP

Connection tap off box, Radio frequency identification XG, 3 RFID station to Modbus or UNI TELWAY, M12

## Main

Range of Product	Telemecanique Radio frequency identification XG
Product or Component Type	Connection tap-off box
Device short name	TCS
Number of Channels	3
Communication port protocol	Modbus Uni-Telway
Associated smart antenna	XGCS49 XGCS89
Electrical connection	1 female connector M12 5 pins network output A coding) 1 male connector M12 4 pins power supply A coding) 1 male connector M12 5 pins A coding) 3 female connectors M12 5 pins stations XGCS A coding)
[Us] rated supply voltage	24 V DC Protective Extra Low Voltage

## Complementary

Supply voltage limits	19.2...29 V DC
Status LED	Supply on 1 LED green)
Marking	CE
Net Weight	2.34 lb(US) (1.06 kg)

## Environment

Product Certifications	UL
Ambient Air Temperature for Operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Relative humidity	30...95 %
IP Degree of Protection	IP65
EMC filter	Class B EMC filter EN 55022 Level 3 EMC filter IEC 61000

## Ordering and shipping details

Category	22490-SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	3389119021333
Nbr. of units in pkg.	1
Package weight(Lbs)	29.28 oz (830.0 g)
Returnability	No
Country of origin	FR

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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.76 in (7 cm)
Package 1 width	6.54 in (16.6 cm)
Package 1 Length	9.06 in (23 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Weight	16.61 lb(US) (7.532 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

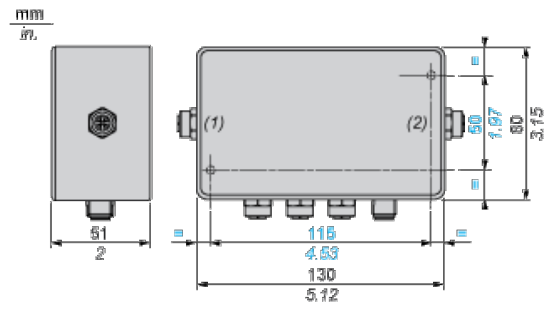
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.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

## Contractual warranty

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

Dimensions

Connection Boxes

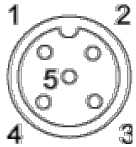


- (1) In
- (1) Out

Wiring Diagram

Modbus Connections

Socket to Smart Antenna Cabling



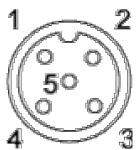
Pin no.	Signal
1	Drain (Modbus-SHLD)
2	+ 24 VDC
3	0 V/Modbus-GND
4	D0
5	D1

Socket to Power Supply Cabling



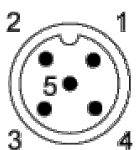
Pin no.	Signal
1	+ 24 VDC
2	+ 24 VDC
3	0 VDC
4	0 VDC

Socket to Another Connection Box Cabling



Pin no.	Signal
1	Drain (Modbus-SHLD)
2	-
3	0 V/Modbus-GND
4	D0
5	D1

Socket to Automation Platform Cabling



Pin no.	Signal
1	Drain (Modbus-SHLD)
2	-

Pin no.	Signal
3	0 V/Modbus-GND
4	D0
5	D1