Product data sheet
Characteristics

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 for network output (A coding) 1 male connector M12 4 pins for power supply (A coding) 1 male connector M12 5 pins (A coding) 3 female connectors M12 5 pins for stations XGCS (A coding)
[Us] rated supply voltage	24 V DC conforming to Protective Extra Low Voltage

Complementary

Supply voltage limits	19.2…29 V DC
Status LED	Supply on: 1 LED (green)
Marking	CE
Net weight	1.06 kg

Environment

Product certifications	UL
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-40…85 °C
Relative humidity	30…95 %
IP degree of protection	IP65
EMC filter	Class B EMC filter conforming to EN 55022 Level 3 EMC filter conforming to IEC 61000

Packing Units

|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	830 g
Package 1 Height	7 cm
Package 1 width	16.6 cm
Package 1 Length	23 cm
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Weight	7.532 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

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Dimensions

Connection Boxes

(1)   In
(1)   Out

TCSAMT31FP
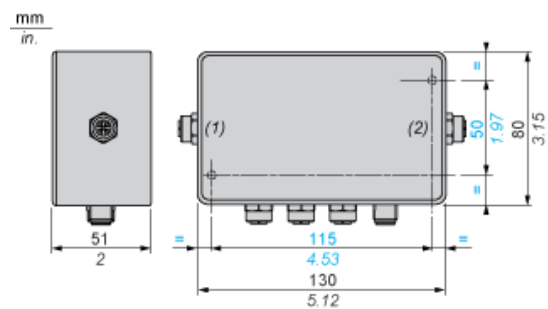
Wiring Diagram

Modbus Connections

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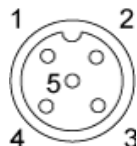
Pin no.	Signal
1	Drain (Modbus-SHLD)
2	+ 24 VDC
3	0 V/Modbus-GND
4	D0
5	D1

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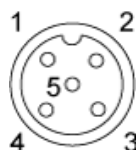
Pin no.	Signal
1	Drain (Modbus-SHLD)
2	-
3	0 V/Modbus-GND
4	D0
5	D1

Socket to Automation Platform Cabling

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

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