Product data sheet
Characteristics

XGSZ33PDP
Connection box Profibus DP - 3 channels for XGCS smart antennas

Green Premium™

Main

Range of product	Telemecanique Radio frequency identification XG
Product or component type	Connection Profibus box
Device short name	XGSZ33
Number of channels	3
Communication port protocol	Profibus DP V1
Associated smart antenna	XGCS49 XGCS89
Electrical connection	1 female connector M12 4 pins for PC connection (A encoding) 1 female connector M12 5 pins for network output (B encoding) 1 male connector M12 4 pins for power supply (A encoding) 1 male connector M12 5 pins for network input (B encoding) 3 female connectors M12 5 pins for stations XGCS (A encoding)
[Us] rated supply voltage	24 V DC conforming to Protective Extra Low Voltage

Complementary

Supply voltage limits	21.6…26.4 V DC
Power consumption in W	2.5 W
Status LED	Diagnostics: 1 dual color LED (red/green) RFID communication: 1 dual color LED (red/green) Communication network: 1 LED (green) Diagnostics: 1 LED (red)
Communication service	Cyclical variable exchange
Register words	1...49 words
Transmission support medium	2 twisted shielded pairs cable
Transmission rate	9.6 kbit/s...12000 kbit/s
Marking	CE
Net weight	1.06 kg

Environment

Product certifications	Profibus
Ambient air temperature for operation	0…55 °C
Ambient air temperature for storage	-25…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

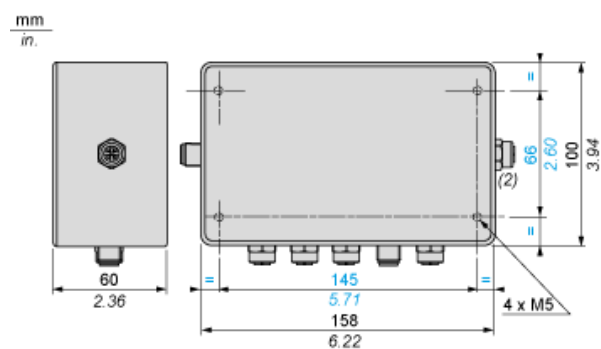|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.200 cm
Package 1 Width	16.200 cm
Package 1 Length	24.000 cm
Package 1 Weight	1.005 kg
Unit Type of Package 2	S03
Number of Units in Package 2	3
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.583 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

Dimensions

Connection Boxes

XGSZ33PDP

Wiring Diagram

PROFIBUS-DP Connections

Socket to Smart Antenna Cabling

Pin no.	Signal
1	Earth
2	+ 24 VDC
3	0 V
4	D0
5	D1

Socket to Power Supply Cabling

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

PROFIBUS-DP network connections (Input)

PROFIBUS-DP network connections (Output)

Pin no.	Signal	Description
1	VP	Line terminator polarization
2	RxD/TxD-N	Receive/transmit data (-) (red wire)
3	DGND	GND PROFIBUS
4	RxD/TxD-P	Receive/transmit data (+) (green wire)
5	Shielding	Shielding or earth
Connector casing	Shielding	Shielding or earth

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