# Product data sheet
## Characteristics

# XGSZ33PDP
Connection Profibus box, Radio frequency identification XG, DP, 3 channels for XGCS smart antennas



## 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 |
| Maximum 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 |

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## Packing Units

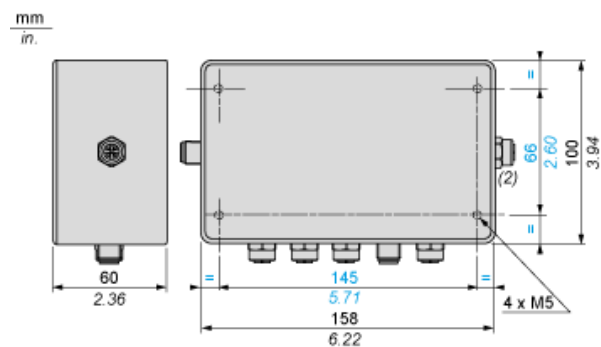| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.200 cm |
| Package 1 Width | 16.200 cm |
| Package 1 Length | 24.000 cm |
| Package 1 Weight | 1.005 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 3 |
| Package 2 Height | 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 |
| 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

## Contractual warranty

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

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## Dimensions

### Connection Boxes

## 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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