

UNCONNECTORIZED TERMINATION



P/N TBX-P2P

DESCRIPTION

UV resistant case for the termination of the unconnectorized SERIR P2P and FUSION P2P sensor-strings. It is supplied with a printed circuit board to simplify the wiring procedures



TO USE WITH CV-P2P CONNECTION CABLE
TO BE SEALED WITH RP-100 TWO-COMPONENT PUR CAST RESIN.



PACKAGE CONTENT

1. no 1 case body;
2. no 1 case cover;
3. no 1 double layer printed circuit board JTBX-STP2P v2.2
4. no 1 through hole resistor (100Ω)
5. no 1 tie wrap FPM-100 and no 4 tie wraps FPM-186



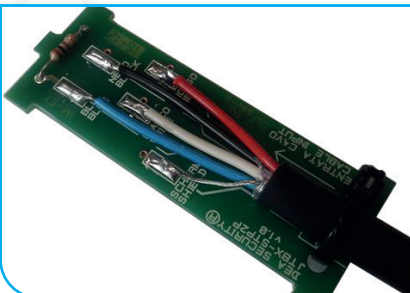
ONE PACKAGE OF RESIN IS USED TO SEAL TWO JBX-P2P CASES



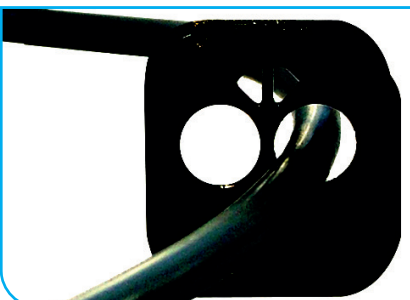
INSTALLATION

• PRELIMINARIES

Here below are shown the preliminaries for the String termination of SERIR P2P and FUSION P2P systems.



Solder the provided resistor on R1 pad.



Insert the cable in one of the round holes of the case cover.

COMPLIANCE

- Directive 2014/30/EU

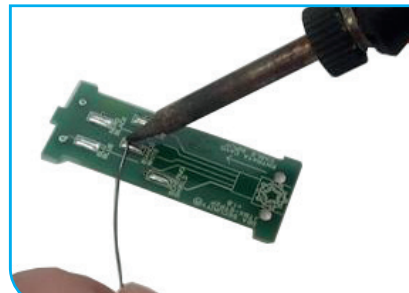


TECHNICAL FEATURES

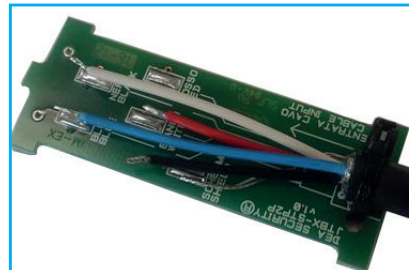
- **ENVIRONMENTAL CLASS:** IV (in accordance with EN-50130-5)
- **DIMENSIONS:** 30 x 30 x 114 mm (L x H x W)
- **GROSS WEIGHT:** n.d.
- **NET WEIGHT:** n.d.
- **OPERATING TEMPERATURE:** -40 ÷ +80 °C
- **RELATIVE HUMIDITY:** 0 – 100% (after sealing with RP-100 resin)
- **PROTECTION RATING:** IP68
- **MATERIAL:** glass fiber reinforced polyamide
- **COLOUR:** nero



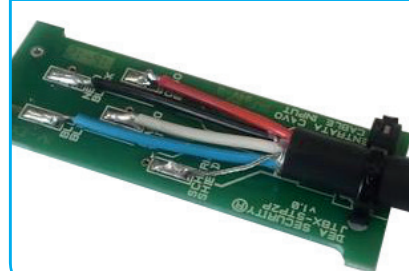
Strip the cable as shown on the printed circuit board.



Tin the pads named RED, BLACK, BLUE, WHITE (Cable Input side).



Using the FPM-100 tie wrap, fix the cable to the printed circuit board (Cable Input side).



Solder the cables and the shields to the RED, BLACK, BLUE, WHITE pads on the printed circuit board.



FOR FUSION P2P SYSTEM, SOLDER THE SHIELD TO THE SPECIFIC PAD.



Insert the printed circuit board into the case body using the proper guides.



Close the case with its cover.

• SEALING

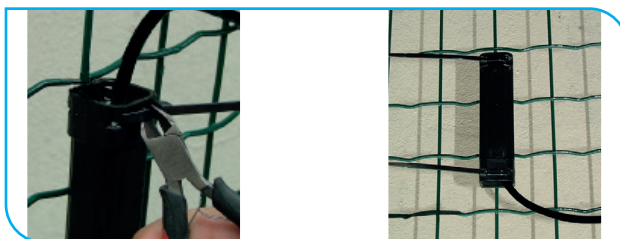
1. Prepare RP-100 polyurethane resin as shown on its package.
2. Close the case with the cap, turn it upside down and fix it to the structure.
3. Pour the resin into the triangular holes until the container is filled.
4. Wait for the complete polymerization of the resin, at least 40 minutes at 5 ° C or 25 minutes at 25 ° C.



THE CASE MUST BE FASTENED WITH THE COVER FACING DOWN TO AVOID WATER STAGNATION AND MOISTURE PENETRATION.

• PLACEMENT ON THE FENCE

1. Once the polymerization is complete, remove the tie wraps.
2. Using the last FPM-186 tie wraps provided, fasten the TBX-P2P case of the fence – cover and cable input DOWN.



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