

INPUT MODULE



COMPLIANCE

- Directive 2014/30/EU
- EN 50130-4/A1
- EN 61000-6-3/A1



TECHNICAL FEATURES

- ENVIRONMENTAL CLASS:** IV (in accordance with CEI EN-50130-5)
- DIMENSIONS:** 133 x 52 x 37 mm (L x H x W)
- PACKAGING SIZE:** 165 x 90 x 65 mm (L x H x W)
- GROSS WEIGHT:** 187 g
- NET WEIGHT:** n.d.
- OPERATING TEMPERATURE:** -40 ÷ +80 °C
- RELATIVE HUMIDITY:** 0 – 100% after sealing with RP-100 resin
- MATERIAL:** glass fiber reinforced polyamide
- COLOUR:** black
- ANALOG INPUTS:** 1 triple balanced input

DESCRIPTION

Peripheral module containing an electronic interface board for the management of a resistive balanced input. It can be connected everywhere along the bus and allows you to integrate into the system signals coming from third-party devices. The printed circuit board is protected by a polyamide housing which provides a very high resistance to UV rays and scratch.

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

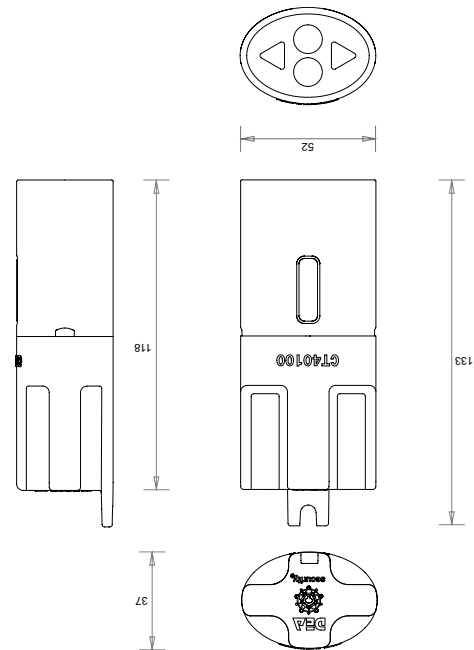
PACKAGE CONTENT

- No 1 Case cover
- No 1 Case body + Double layer printed circuit board
- No 3 Resistenze di Bilanciamento:
 - 3,3KΩ 1% (1/4W) Cut cable Resistor
 - 6,8KΩ 1% (1/4W) Alarm Resistor
 - 47KΩ 1% (1/4W) Tamper Resistor
- No 2 FPM-186 tie wraps

ONE PACKAGE OF RESIN IS USED TO SEAL ONE SC-P2P-IN1 CASE.

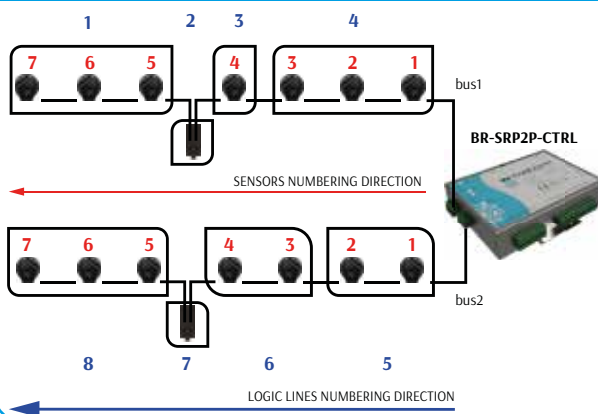
SC-P2P-IN1 CAN BE CONNECTED EVERYWHERE IN THE BUS. EACH SC-SRP2P-CTRL CAN MANAGE UP TO N.10 SC-P2P-IN1 MODULES. EACH SC-P2P-IN1 BINDS 1 OF THE 64 LINES PROVIDED BY SC-SRP2P-CTRL

SCHEMA DIMENSIONI

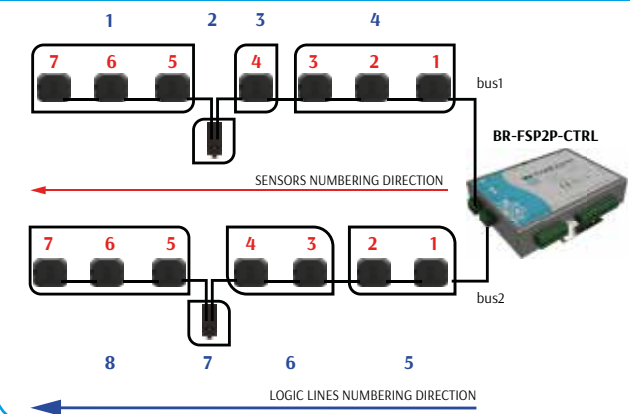


CONNECTIONS

CONNECTION IN SERIR P2P SYSTEM



CONNECTION IN FUSION P2P SYSTEM





INSTALLATION

• PRELIMINARIES



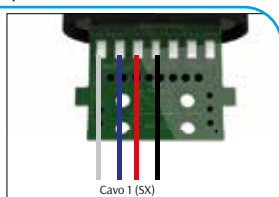
Insert all the cables to be soldered in the case cover's holes



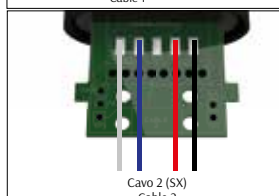
Tin the pads on both sides of the printed circuit board

Cut the CV-P2P cable and insert the two ends of the cable and the third-party device wires, after balancing it, in the case cover's holes. Solder all the wires to the pcb as shown below.

Cable 1 (SX)	SC-P2P-IN1
WHITE	A (BUS)
BLUE	B (BUS)
RED	DX+ (POWER)
BLACK	GND (POWER)



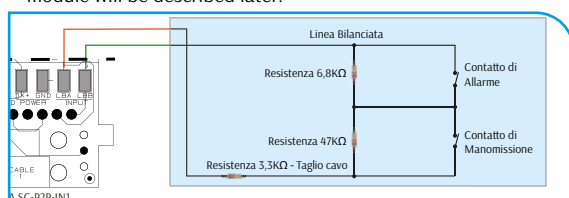
Cable 2 (DX)	SC-P2P-IN1
WHITE	A (BUS)
BLUE	B (BUS)
RED	SX+ (POWER)
BLACK	GND (POWER)



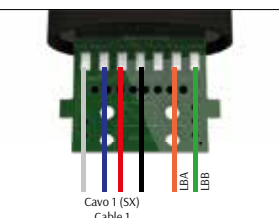
FOR FUSION P2P SYSTEM, SOLDER THE SHIELD TO THE SPECIFIC PAD.

• BALANCED LINE

The connection of the balanced lines and a generic sensor are described below. The connection with the SC-P2P-IN1 input module will be described later.



Third-Party Sensor	SC-P2P-IN1
ORANGE (C)	LBA (INPUT)
GREEN (NC)	LBB (INPUT)



• 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.



CONFIGURATION

Once the hardware installation of the input module has been completed, the P2P Controller must be configured to manage signals from the module. Two different approaches are possible:



- **Existing and configured system:** to keep the existing configuration, you can manually insert the input module in the Physical Representation of the sensors. Select the bus (Bus 1 or Bus 2), right click with the mouse and select, from the drop down menu, Add a sensor item: select Input Unit in the P/N field and type the module's Serial Number in the S/N field (copy it from the label provided with the module). Drag&drop the new module to a logical line (Logical Representation) to complete the configuration.
- **New and not configured system:** proceed following the instructions of the software manual; the new input module will be automatically acknowledged by the CONTROLLER.

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