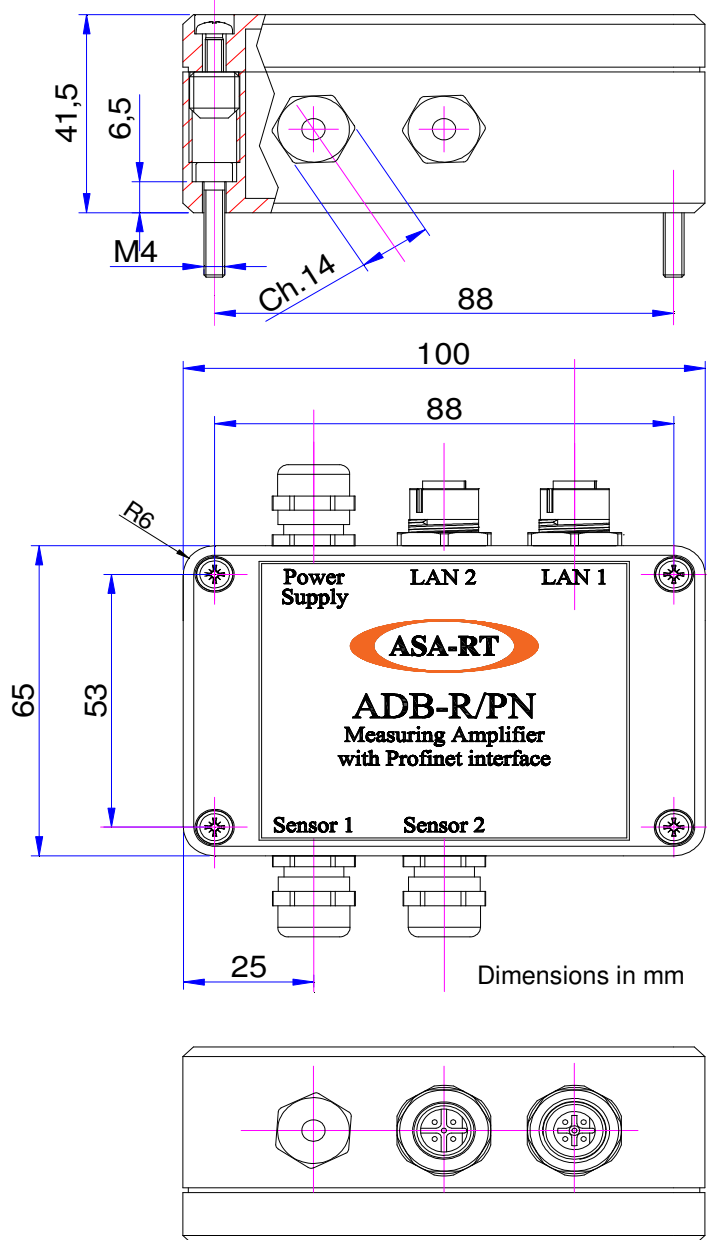




ADB-R/PN is a digital measuring amplifier for strain gauges bridge, including a 24 bit acquisition circuit with programmable gain, and fieldbus interface (Profinet I/O) towards a machine supervisor.

Through the bus link is possible to set all the parameters of the unit: zero, gain, and number of averages on the signal; on the bus is available the tension measurement, with applied the actual parametrisation.



TECHNICAL CHARACTERISTICS

- External power supply 24VDC / $\pm 10\%$ - 0,2 A.
- Interface for strain gauges bridge, characterised by:
 - bridge supply 5 VDC - 60 mA total (4 load cells 350 Ohm in parallel).
 - acquisition with a 24 bit ADC converter.
 - linearity 0,05% F.S.
 - thermal drift 0,01% F.S. / °C
 - with internal (4 wires connection) or external (6 wires connection) closing of the reference.
- Working temperature -20 ... +50 °C
- Assembling on board in an aluminum IP66 case.
- Profinet I/O interface with built-in 2-ports switch.
- Terminal block connections for power supply and load cells (2 load cells in parallel with common reference)
- M12 connectors for the Profinet I/O interface

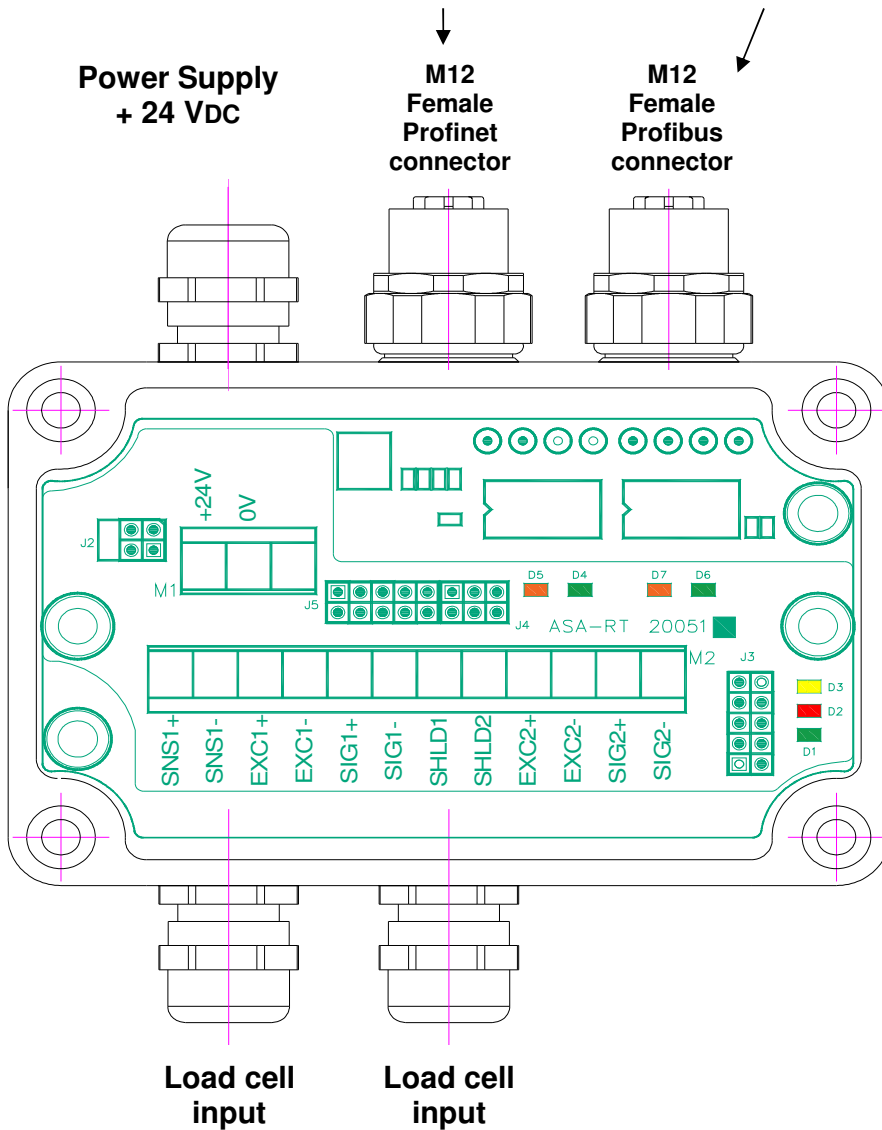
ELECTRICAL CONNECTION

Profinet I/O

1	TD+
2	RD+
3	TD-
4	RD-

Profinet I/O

1	TD+
2	RD+
3	TD-
4	RD-



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