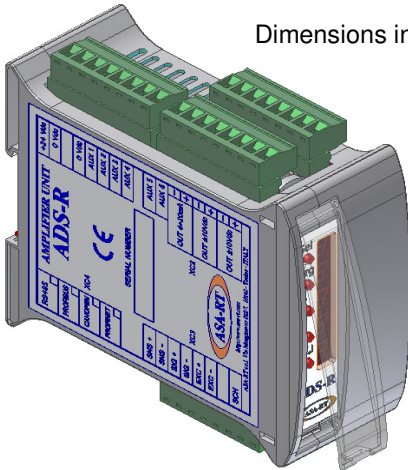


CANopen



Dimensions in mm



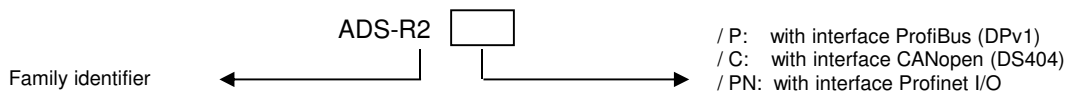
**ADS-R2 is a digital measuring amplifier for two separate strain gauges bridges, each including two 24 bit acquisition circuits with programmable gain and 3 analog outputs towards a supervision unit.**

In the **standard mode**, the measuring amplifier allows the analog signal zeroing (calibration), and the output gain increasing / decreasing, by a three-buttons interface; the output tension is continuously visualised on the display, allowing, therefore, the adjustment without external instruments (tester or screw-driver).

In the **advanced mode**, using the keyboard and the display, it is possible to program all operational parameters of the units : zero, gain (full scale in engineering unit), pass-band of the filter on the signal, threshold values for alarms, etc.; in normal operation, the display visualises the tension measurement, calculated according to the current parameters.

On the ADS-R2 is also available or a Profinet I/O interface, or a

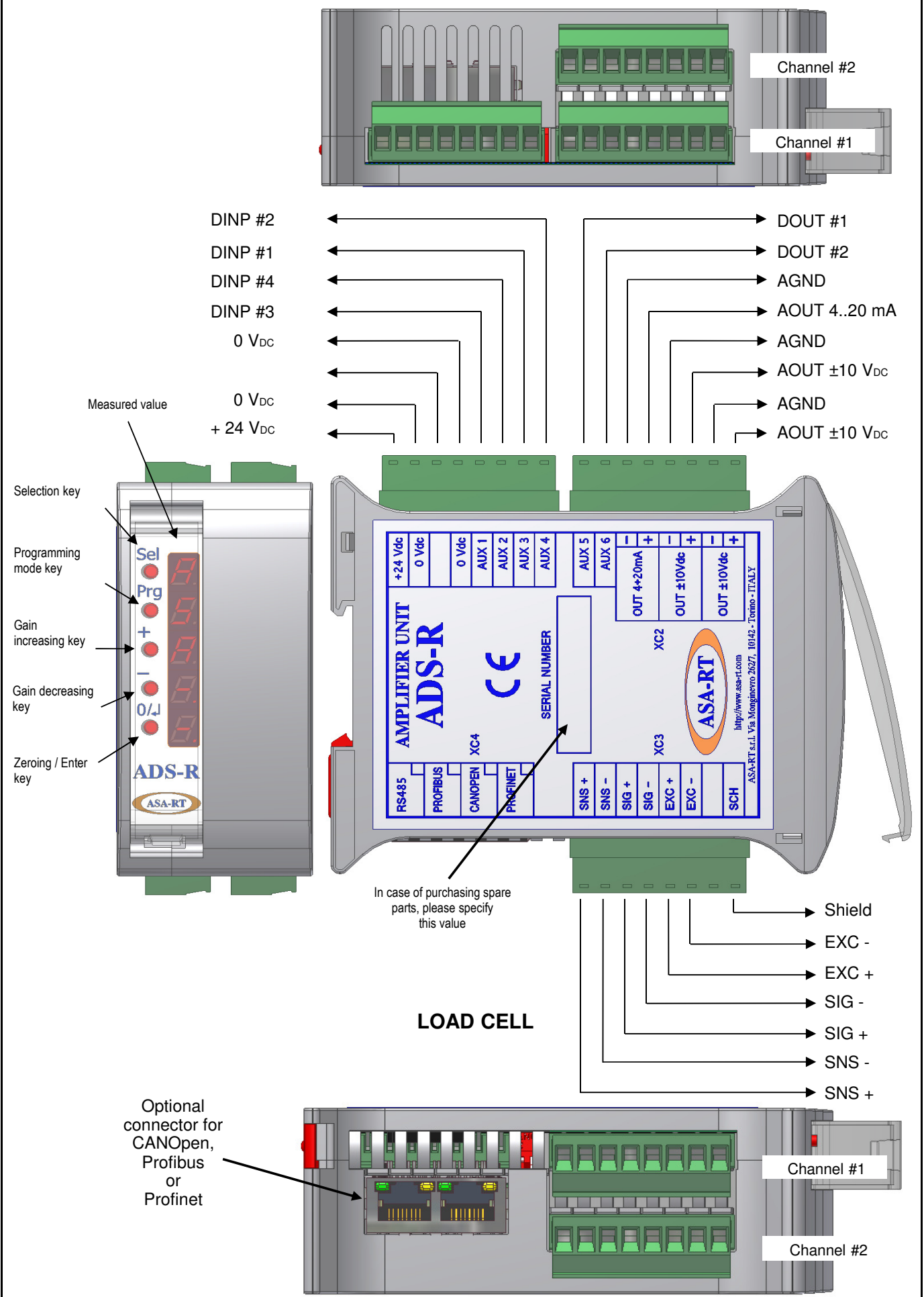
**ORDER CODE**



**TECHNICAL DETAILS**

- External power supply 24VDC / ± 10% - 5W
- Two interfaces for strain gauges bridge, each characterised by:
  - bridge supply 5 VDC.
  - 30 mA per measuring channel (2 load cells 350 Ohm in parallel).
  - acquisition with 24 bit ADC converters with independent sense wires
  - Linearity 0,05% F.S. - thermal drift 0,001% F.S. / °C
  - n. 2 analog outputs ± 10 VDC, Ro > 2 KOhm.
  - n. 1 analog output 4..20 mA , Ro < 150 Ohm
  - n. 2 opto-isolated digital inputs 24 VDC (positive logic).
  - n. 2 opto-isolated digital outputs 24 VDC / 50 mA (positive logic).
- Assembling on DIN guide step 50 mm.
- Optional Profinet I/O expansion card on RJ45 connectors, with integrated 2-ports switch.
- Optional Profibus DPv1 expansion card on DB9 connector
- Optional CANopen DS404 expansion card on DB9 connector

# ELECTRICAL CONNECTION



Technical modifications reserved at the discretion of ASA-RT