



Operating instructions
Electronic pressure sensor

PC3xxx

PC9xxx

UK

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1 Preliminary note

Symbols used

▶ Instructions

→ Cross-reference



Important note

Non-compliance may result in malfunction or interference.



Information

Supplementary note.



CAUTION

Warning of personal injury.
Slight reversible injuries may result.

2 Safety instructions

- The device described is a subcomponent for integration into a system.
 - The manufacturer is responsible for the safety of the system.
 - The system manufacturer undertakes to perform a risk assessment and to create a documentation in accordance with legal and normative requirements to be provided to the operator and user of the system. This documentation must contain all necessary information and safety instructions for the operator, the user and, if applicable, for any service personnel authorised by the manufacturer of the system.
- Read this document before setting up the product and keep it during the entire service life.
- The product must be suitable for the corresponding applications and environmental conditions without any restrictions.
- Only use the product for its intended purpose (→ Functions and features).
- Only use the product for permissible media (→ Technical data).
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property may occur.
- The manufacturer assumes no liability or warranty for any consequences caused by tampering with the product or incorrect use by the operator.
- Installation, electrical connection, set-up, programming, configuration, operation and maintenance of the product must be carried out by personnel qualified and authorised for the respective activity.
- Protect units and cables against damage.

UK



CAUTION

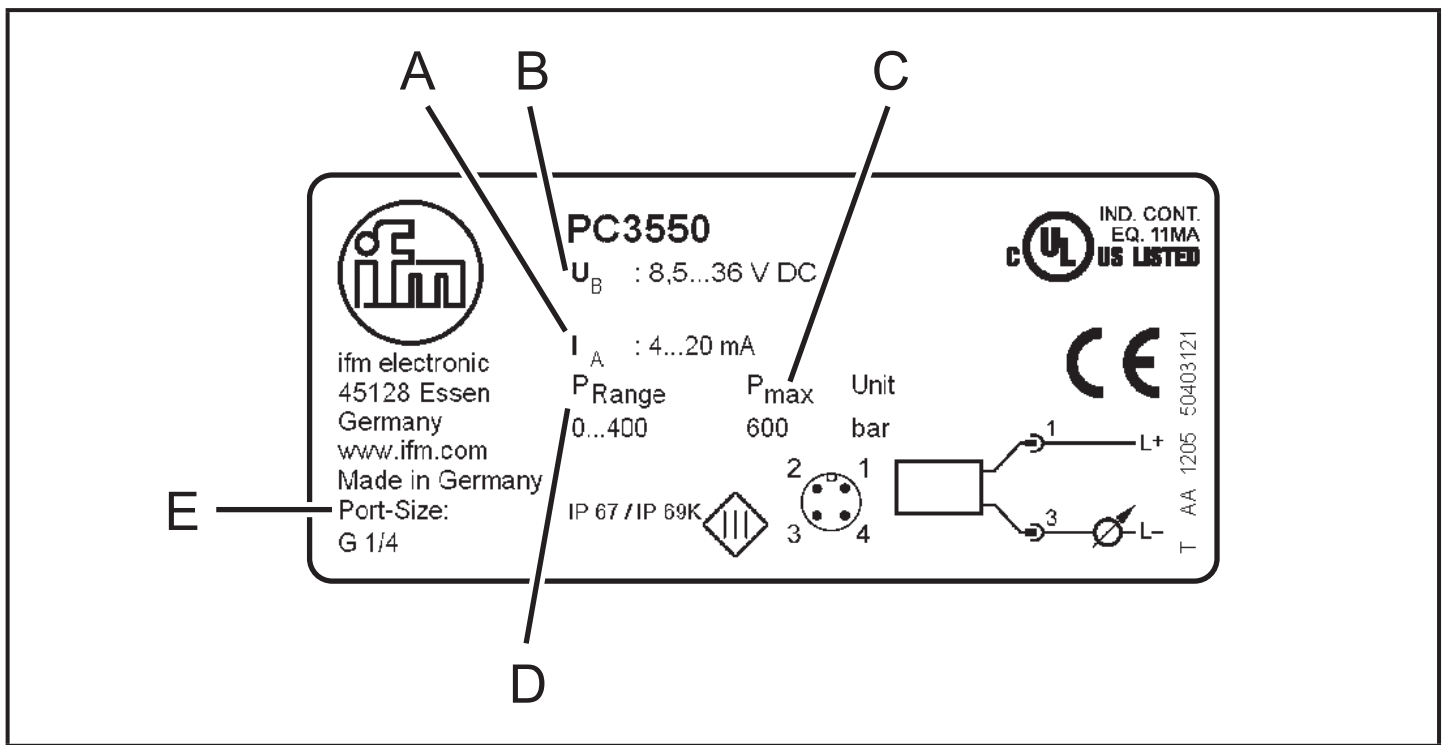
For high medium temperatures, parts of the unit may heat up.

> Risk of burns

▶ Do not touch the unit

▶ Protect the housing against contact with flammable substances and unintentional contact.

3 Type label (example, here PC3550)



4 Functions and features

The pressure sensor detects the system pressure and converts it into an analogue output signal:

→ Type label (A): I_A for PC3xxx or U_A for PC9xxx.

4.1 Applications

- Type of pressure: relative pressure
- Measuring range → Type label (D) / P_{Range}
- Permissible overload pressure → Type label (C) / P_{max}



Avoid static and dynamic overpressure exceeding the given overload pressure by taking appropriate measures.

If the overload pressure is exceeded, the unit may be destroyed.

NOTE: Risk of injury!

5 Installation



Before installing and removing the unit: make sure that no pressure is applied to the system.

- ▶ Insert the unit into a suitable process connection → Type label (E) / Port Size.
- ▶ Tighten firmly. Tightening torque: max. 25 Nm.

6 Electrical connection



The unit must be connected by a qualified electrician.
Voltage supply to EN 50178, SELV, PELV.

- ▶ Disconnect power.
- ▶ Connect the unit as indicated on the unit → Type label (A, B).