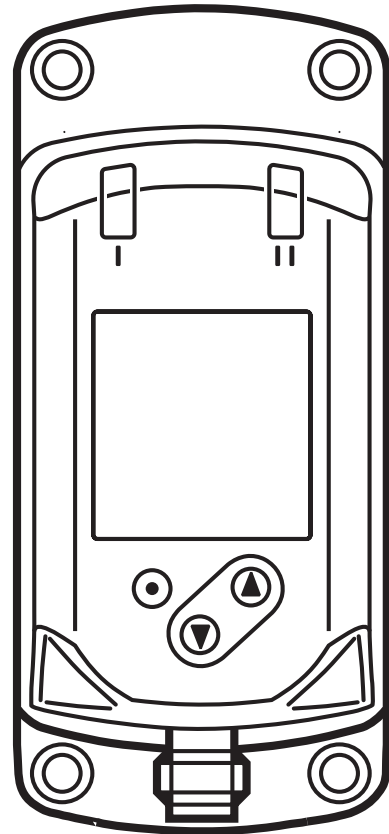


Operating instructions
IO-Link DISPLAY 1,44"

E30391

UK

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Technical data, approvals, accessories and further information at www.ifm.com.

1 Safety instructions

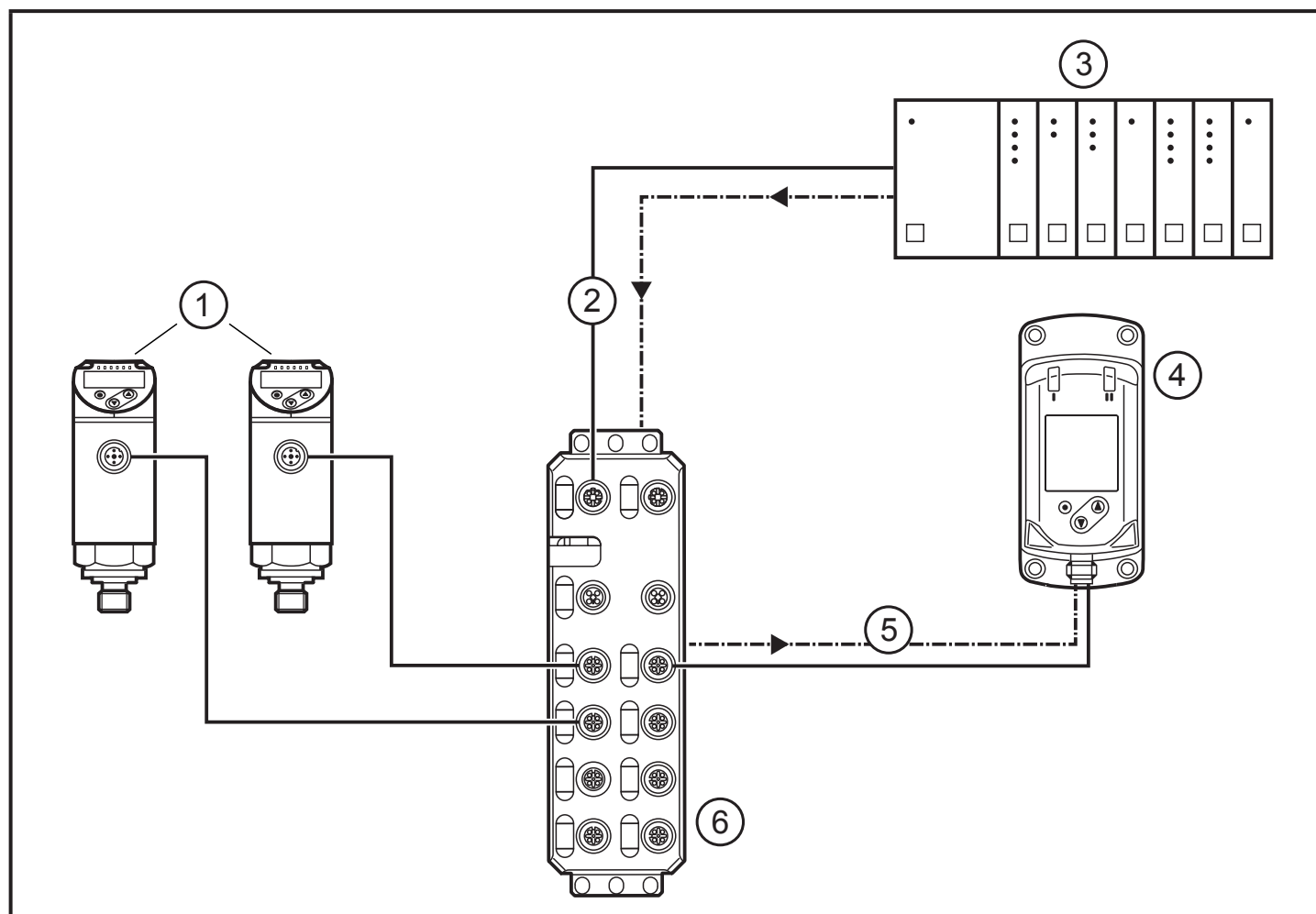
- Please read this document prior to set-up of the unit. Ensure that the product is suitable for your application without any restrictions.
- If the operating instructions or the technical data are not adhered to, personal injury and/or damage to property can occur.
- Improper or non-intended use may lead to malfunctions of the unit or to unwanted effects in your application. That is why installation, electrical connection, set-up, operation and maintenance of the unit must only be carried out by qualified personnel authorised by the machine operator.
- The responsibility whether the device is suitable for the respective application lies with the operator. The manufacturer assumes no liability for consequences of misuse by the operator. Improper installation and use of the devices result in a loss of the warranty claims.

2 Functions and features

The IO-Link DISPLAY is used for indicating up to four process values, additional information and messages (output data).

Commands can be transmitted to the controller (input data) using the keys.

The information is transmitted via IO-Link.



Example of a system integration

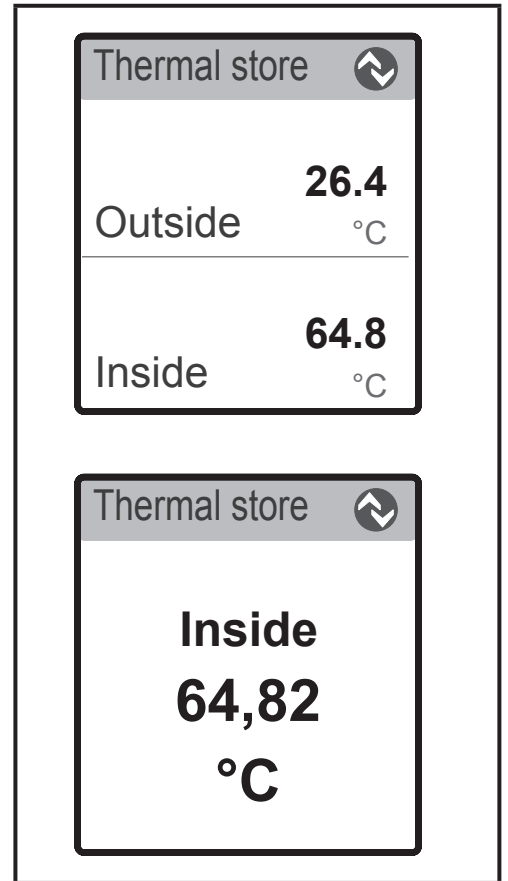
- 1: IO-Link sensor
- 2: Fieldbus
- 3: PLC
- 4: IO-Link DISPLAY
- 5: Communication between PLC and IO-Link DISPLAY
- 6: IO-Link master

3 Function

The IO-Link DISPLAY can display freely definable process values, texts and QR codes.

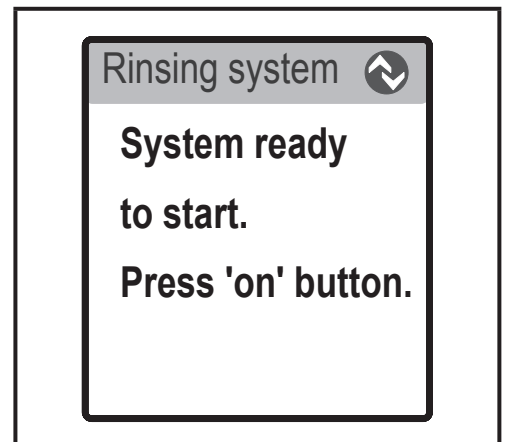
Process value display (cyclic operation)

Up to four texts or numbers can be displayed simultaneously with the unit and a short description text. The number of decimal places is adjustable.



Information pages

Messages such as "Coolant level low, please refill" or "System ready to start, press 'on' button" can be displayed in any colour, e.g. red for alarm or yellow for warnings.



QR code

A QR code can be scanned via smartphone or tablet and link to information online (e.g.: descriptions or data sheets). The QR code may include any short info text (e.g. "Recipe #5") as well.



Keys

Keys on the device allow use as an operating unit. A PLC can evaluate the key signals, adapt the settings and send the data to be displayed to the IO-Link DISPLAY during runtime.

Parameter setting

Default values can be set using a PLC or an IO-Link parameter setting tool, e.g. LR DEVICE.



Detailed information on set-up and programming can be found in the programming instructions → www.ifm.com.

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4 Installation

- ▶ Insert the unit into the system so that no mechanical forces are exerted on the housing.

5 Electrical connection

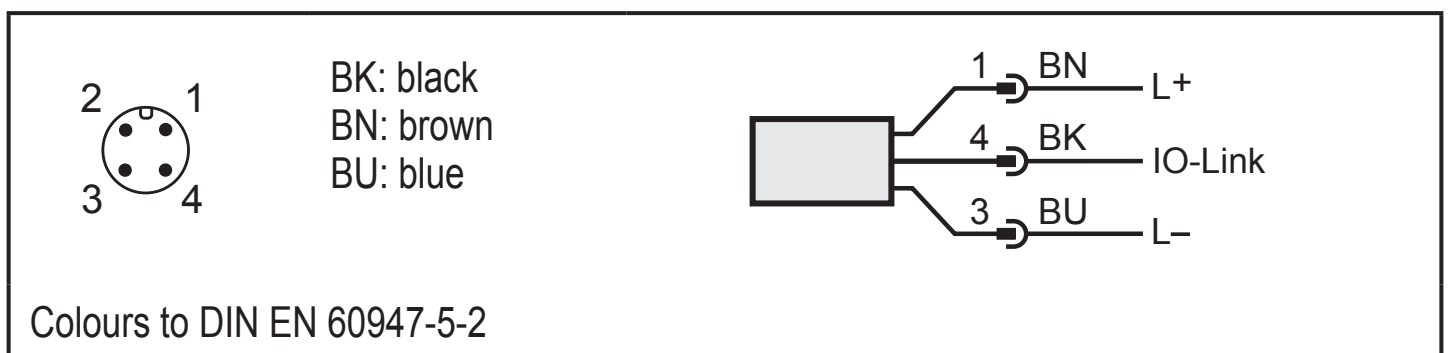


The device must be connected by a qualified electrician.

The national and international regulations for the installation of electrical equipment must be adhered to.

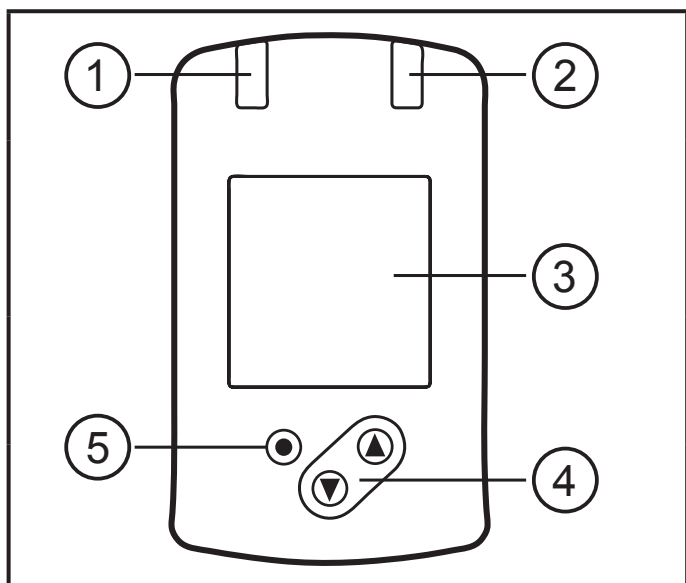
Voltage supply according to EN 50178, SELV, PELV.

- ▶ Disconnect power.
- ▶ Connect the unit as follows:



Pin 1	L+
Pin 3	L-
Pin 4	IO-Link

6 Operating and display elements



① and ② Status LEDs:
Freely controllable LEDs

③ TFT display:
• Indication of the process values
• Indication of additional information

④ Keys [▲] and [▼]:
Freely evaluable assignment of keys

⑤ Key [●] = Enter:
Freely evaluable assignment of keys

7 Set-up and programming

Information on set-up and programming can be found in the programming instructions → www.ifm.com.

8 Technical data

Technical data and scale drawing at www.ifm.com.