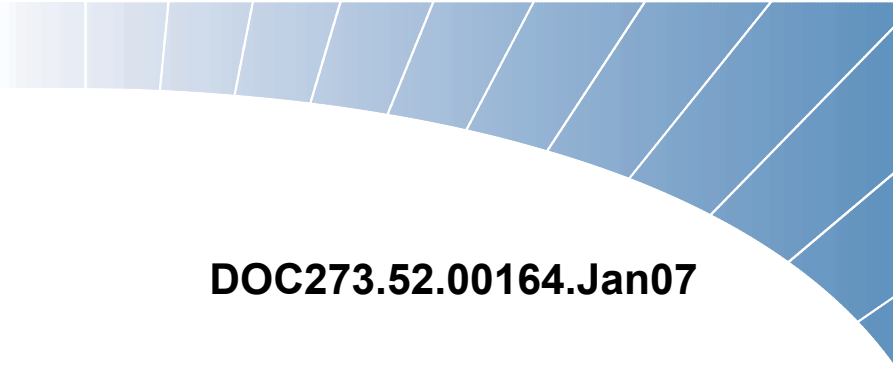




DOC273.52.00164.Jan07

sc Sensor Plug and sc Sensor Coupling

Installation instructions

Installation Sheet

DOC273.52.00164.Jan07

sc Sensor Plug and sc Sensor Coupling

Introduction

These installation instructions describe how to mount the sc Sensor Plug (LZX971, LZX987) and/or the sc Sensor Coupling (LZX972, LZX986).

Important Note: Only qualified personnel should conduct the tasks described in this Installation Sheet.

Accident and trouble-free operation of the instrument can only be assured by adhering strictly to the instructions.

Specifications

General information	
Operating temperature	–40 to +85 °C (–40 to 185°F)
Enclosure rating	IP67
Conformity	Sensor Plug and Sensor Coupling are RoHS-conformal

Items supplied

Items supplied include

- Installation Sheet
- sc Sensor Plug and/or sc Sensor Coupling

Items supplied are subject to change without notice.

sc Sensor Plug and sc Sensor Coupling

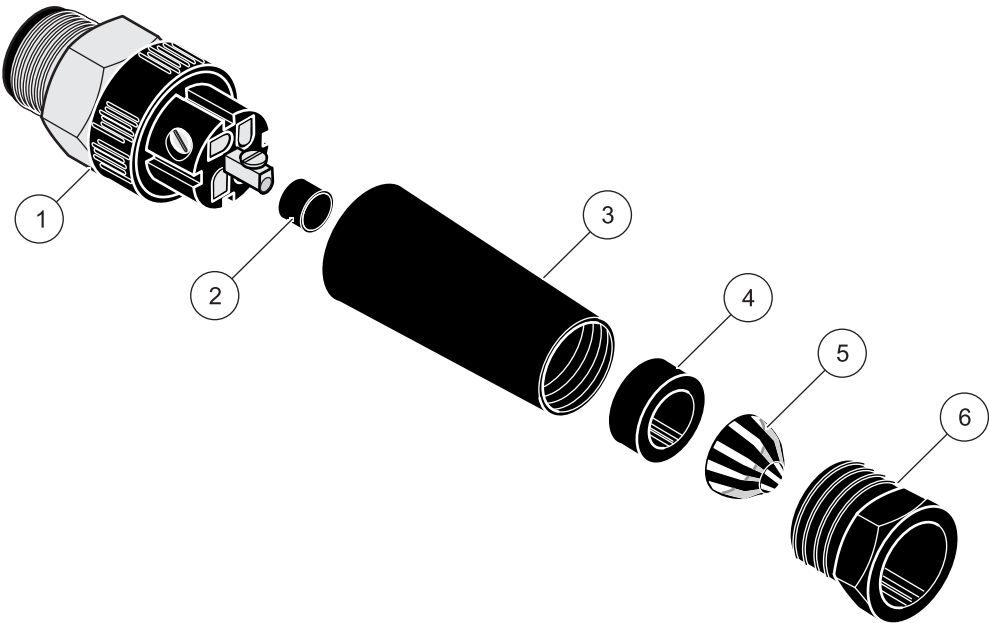


Figure 1 sc Sensor Plug

1	sc Sensor Plug	3	Sleeve	5	Pinch ring
2	Shrink hose	4	Seal	6	Pressing screw

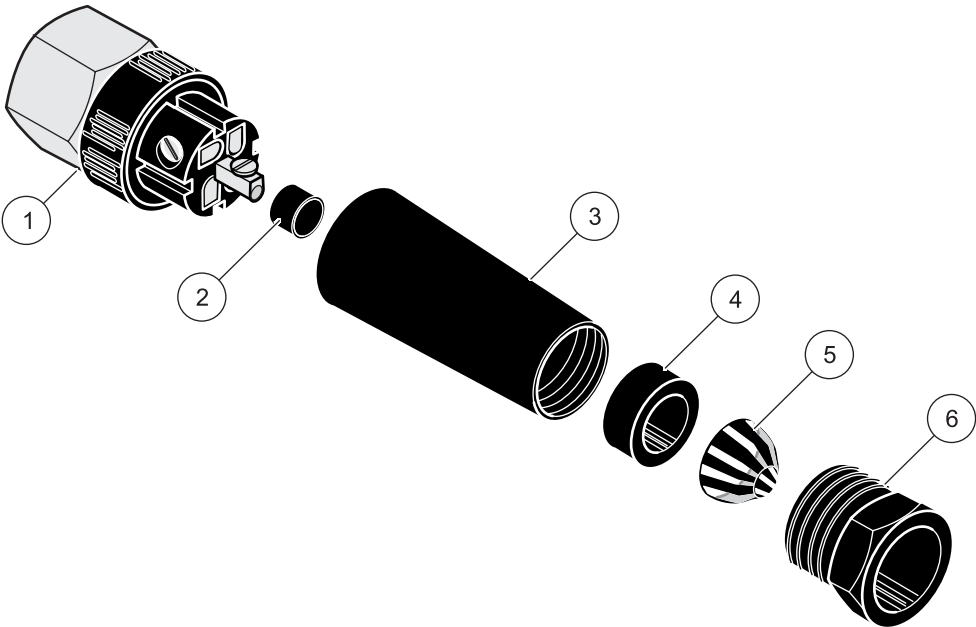


Figure 2 sc Sensor Coupling

1	sc Sensor Plug	3	Sleeve	5	Pinch ring
2	Shrink hose	4	Seal	6	Pressing screw

Pin assignment of sc Sensor Plug and sc Sensor Coupling

Important Note: Incorrect connecting of the cables will impact the function of the instrument and/or damage the instrument.

Use cable end sleeves for the wire connection!

Note: Isolate the clamp 5 (Position 5) with the provided shrink hose!

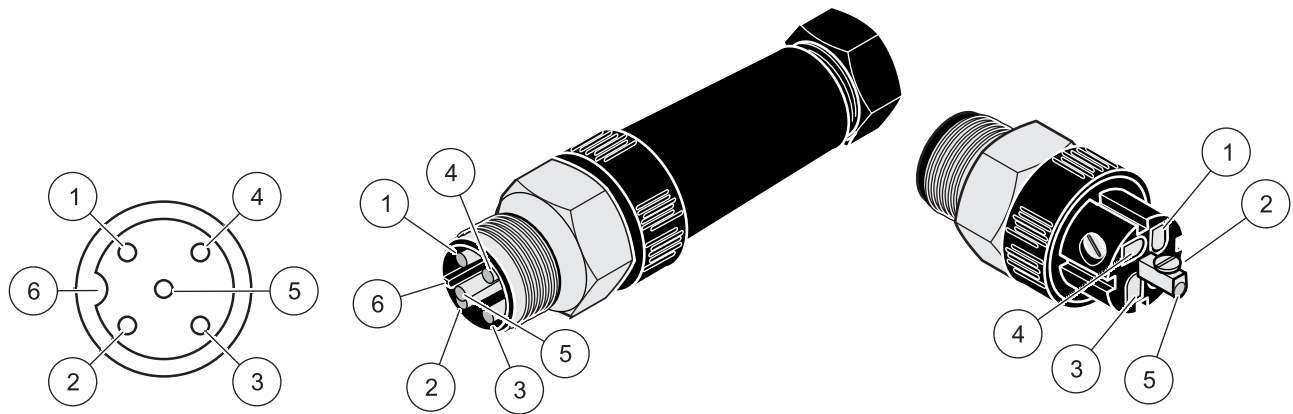


Figure 3 Pin assignment sc Sensor Plug

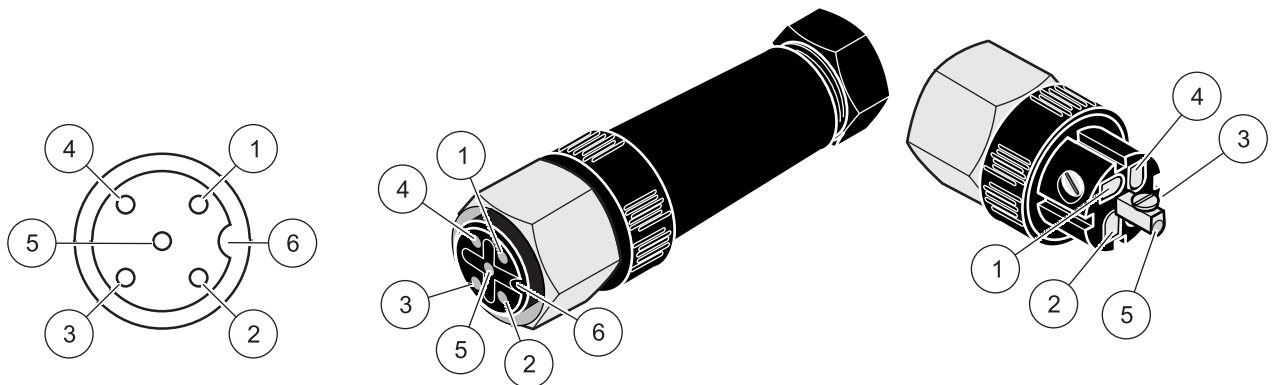


Figure 4 Pin assignment sc Sensor Coupling

Pos.	clamp number	Assignment	Wire color
1	1	+12 V DC	brown
2	2	Data (-)	white
3	3	Data (+)	blue
4	4	Ground	black
5	5	Screen	grey
6	6	Guidance	–

Replacement parts and accessories

Description	for cable Ø	Order number
sc Sensor Plug	6–8 mm	LZX971
sc Sensor Coupling	6–8 mm	LZX972
sc Sensor Plug	4–6 mm	LZX987
sc Sensor Coupling	4–6 mm	LZX986

Warranty, liability and complaints

The manufacturer warrants that the product supplied is free of material and manufacturing defects and undertakes the obligation to repair or replace any defective parts at zero cost.

The warranty period for instruments is 24 months. If a service contract is taken out within 6 months of purchase, the warranty period is extended to 60 months.

With the exclusion of the further claims, the supplier is liable for defects including the lack of assured properties as follows: all those parts that, within the warranty period calculated from the day of the transfer of risk, can be demonstrated to have become unusable or that can only be used with significant limitations due to a situation present prior to the transfer of risk, in particular due to incorrect design, poor materials or inadequate finish will be improved or replaced, at the supplier's discretion. The identification of such defects must be notified to the supplier in writing without delay, however at the latest 7 days after the identification of the fault. If the customer fails to notify the supplier, the product is considered approved despite the defect. Further liability for any direct or indirect damages is not accepted.

If instrument-specific maintenance and servicing work defined by the supplier is to be performed within the warranty period by the customer (maintenance) or by the supplier (servicing) and these requirements are not met, claims for damages due to the failure to comply with the requirements are rendered void.

Any further claims, in particular claims for consequential damages cannot be made.

Consumables and damage caused by improper handling, poor installation or incorrect use are excluded from this clause.

Process instruments of the manufacturer are of proven reliability in many applications and are therefore often used in automatic control loops to provide the most economical possible operation of the related process.

To avoid or limit consequential damage, it is therefore recommended to design the control loop such that a malfunction in an instrument results in an automatic change over to the backup control system; this is the safest operating state for the environment and the process.

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