



Warning: Before installation, commissioning, and operation, ensure that the pressure transmitter is suitable for the application in terms of measuring range, design and environmental conditions. Non-observance can result in serious injury and/or damage to equipment.

Intended use: This instrument converts pressure into an electrical signal.

The instrument has been designed and built solely for the intended use described here and may only be used accordingly. If the equipment is used in a different manner, the protection provided by the equipment may be impaired and Trafag shall not be liable for any claims at all.

Datasheets

NAT 8251



www.trafag.com/H72250

NAH 8253



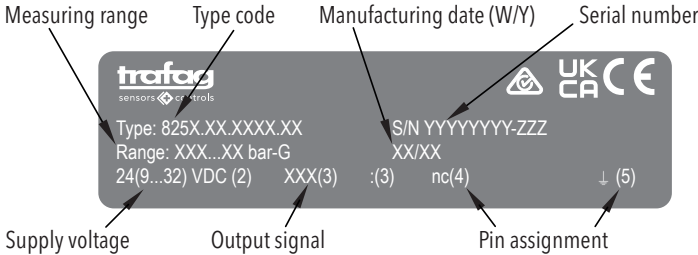
www.trafag.com/H72300

NSL 8257



www.trafag.com/H72302

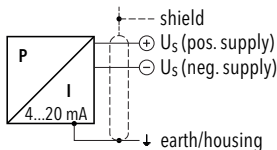
Type label description (example)



Connection of the measuring equipment

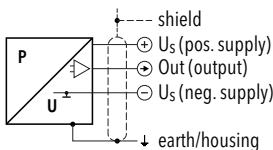
Current output

2-wires



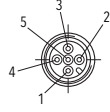
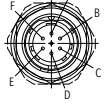



Voltage output

3-wires



Electrical connections

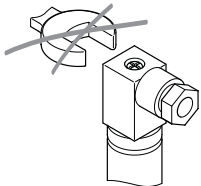
Designation	Industrial standard	M12x1 4-pole	M12x1 5-pole	MIL-C 26482	Cable
Type code	825X.XX.XXXX.01	825X.XX.XXXX.32	825X.XX.XXXX.35	825X.XX.XXXX.02	825X.XX.XXXX.08
Ambient temperature range	-40°C ... +125°C	-40°C ... +125°C	-40°C ... +125°C	-40°C ... +125°C	-40°C ... +125°C
Pin configuration					 RD: red BK: black GN: green

The device is designed to be used in an industrial, electromagnetic environment in accordance with IEC 61326-2-3, IEC 61326-1, IEC 61000-6-2, IEC 61000-6-3.

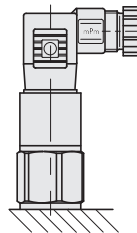
Output	Load resistance	I_{SUPPLY}	U_{SUPPLY}
4 ... 20 mA	$\leq (U_{\text{supply}} - 9 \text{ V}) 20 \text{ mA}$	$\leq 10 \text{ mA}$	24 (9 ... 32) VDC
0 ... 5 VDC	$\geq 2.0 \text{ k}\Omega$	$\leq 10 \text{ mA}$	24 (9 ... 32) VDC
1 ... 6 VDC	$\geq 2.0 \text{ k}\Omega$	$\leq 10 \text{ mA}$	24 (9 ... 32) VDC
1 ... 10 VDC	$\geq 5.0 \text{ k}\Omega$	$\leq 10 \text{ mA}$	24 (15 ... 32) VDC
0.5 ... 4.5 VDC	$\geq 2.0 \text{ k}\Omega$	$\leq 10 \text{ mA}$	5 (4.5 ... 5.5) VDC ratiom.

Installation

Version female connector 01/34:
Use only original screw



Do not turn the female connector



NSL: Recommended mountig position