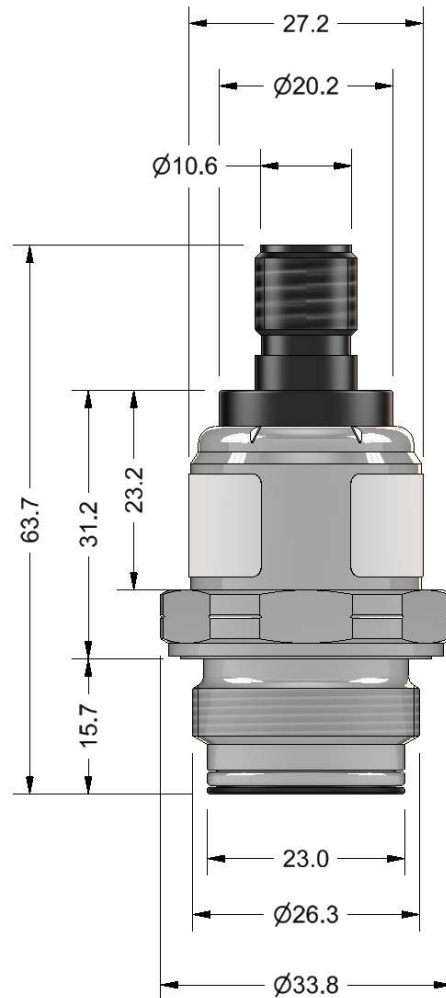


XE-0050-011

Data Sheet

IMPS (In-Mould Pressure Sensor)

0 to 10 Bar Absolute 125°C with M12 Connector — Hex Body



Pressure Specifications

Pressure Range	0—10 bar (Absolute)
Over Pressure	20 bar
Burst Pressure	25 bar
Pressure Port O-Ring	EPDM
Face Type	Ceramic
Housing Material	316L SS
Connector Type	M12 x 5 Pin connector



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DS-0043-B Issued: 09.01.2023

Input Specifications

Supply Voltage	15—30VDC
Input Current	≤10 mA
Load Resistance	≥5.0 kΩ
Inverse-polarity protection, short-circuit strength @ 25°C during 5 min.	Up to 30VDC

Output Specifications

Span	10 bar, 0—10VDC
TEB typ. @ -25 ... +85°C	±1.0% FS typ.
NLH @25°C (BSL) typ.	±0.2% FS typ.
TC zero point and span typ.	±0.02% FS/K typ.
Long term stability 1 year typ.	±0.2% FS typ.

Environmental Specifications

Ambient Temperature	-25°C—+125°C
Media Temperature	-25°C—+125°C
Humidity	Max. 95% relative
Vibration	4g (10...2000Hz)
Shock	50g/8ms
IP Rating	IP55 (IP67 with a mounted female connector)

Electrical Connections—see Figure 1

1	Not connected
2	Positive supply
3	0V supply
4	Signal output
5	Earth

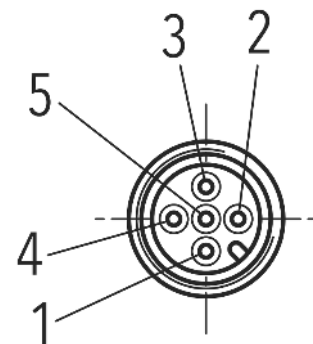


Figure 1—Pin View