

# PS25

## 25 MPa pressure sensor

### Description

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Gauge amplified pressure sensor.

Particularly suited for use in the harsh automotive environment.

The kit includes a mating part connector.

### Main Features

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- *Compatible with most fluids in automotive environment*
- *Fast response time*

### Benefits

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- *Small size*
- *High output*
- *High reliability*

### Typical Applications

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Hydraulic circuit pressure



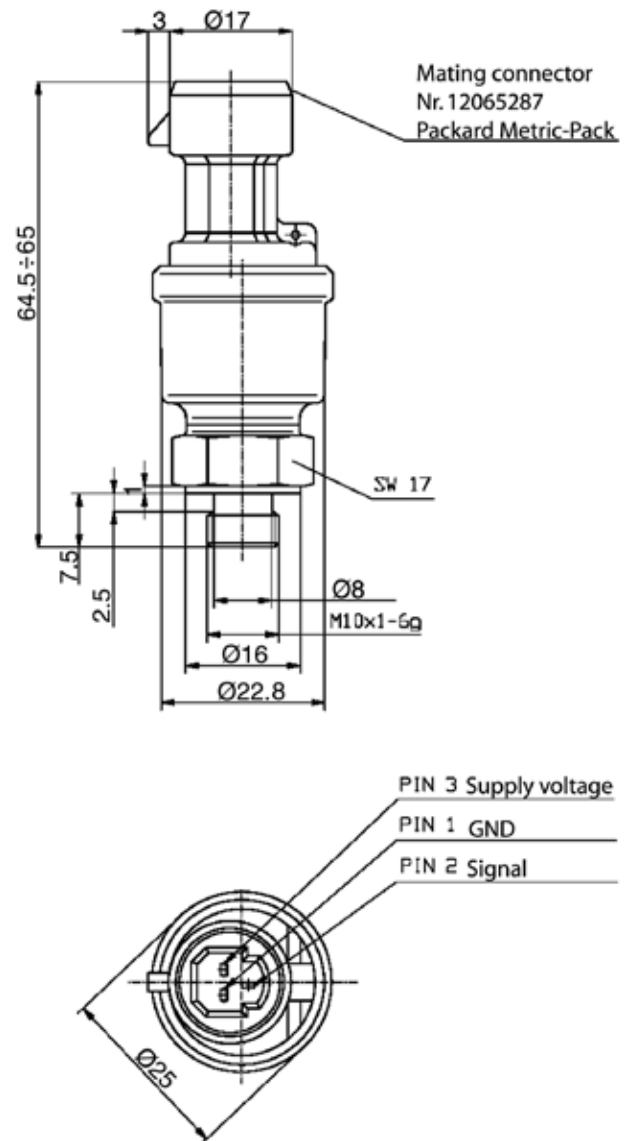
# PS25

25 MPa pressure sensor

## Technical Characteristics

Power supply	5 V
Supply current	< 15 mA
Null offset	0.5 V
Full scale output (@ Nominal Pressure)	4.5 V
Nominal pressure	25 MPa
Operating temperature range	- 40 to 125 °C
(200 h @ 140°C accumulated over life time)	
Response time	< 2 ms
Accuracy (f.s.o. and Null offset)	
@ - 40 °C to 0 °C	max. ± 3 % f.s.o.
@ 25 °C to 90 °C	max. ± 2 % f.s.o.
@ 90 °C to 125 °C	max. ± 3 % f.s.o.
Burst Pressure	2 x Nominal Pressure
Vibrations range tested	
@ 147 Hz to 1000 Hz	20 g
@ 1000 Hz to 2000 Hz	20 g
Protection class	IP 69K
Weight (approx.)	45 g

## Dimensions



Dimensions in millimetres