

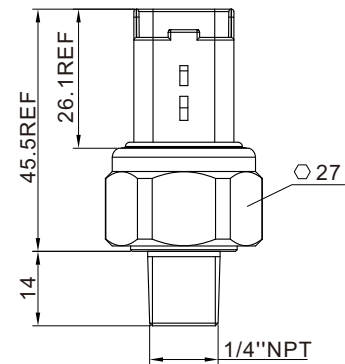
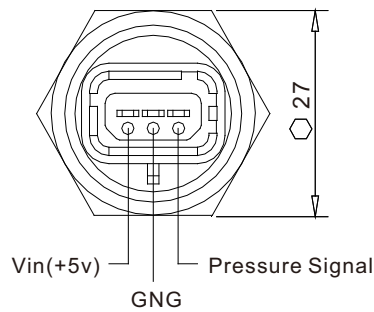
## PS0 MEMS Type - Automotive Class Pressure Sensor

- ☆ PS0 series is a MEMS type sensor for gas, such as atmosphere, oxygen, CNG, LPG, LNG, etc.
- ☆ Accuracy is up to 0.5%, pressure range from 0-0.25bar ~ 0-12bar(absolute pressure).
- ☆ Advantages: small volume, light weight, low power consumption, high reliability, high sensitivity, high durability(upto 1 million cycles).

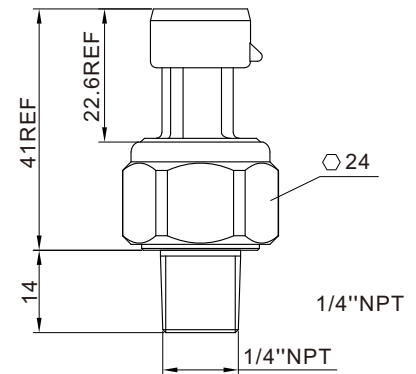
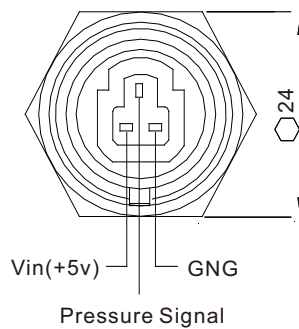
\*All dimensions in MM.



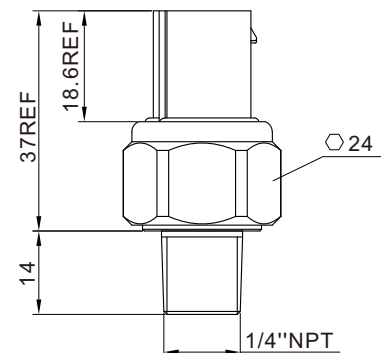
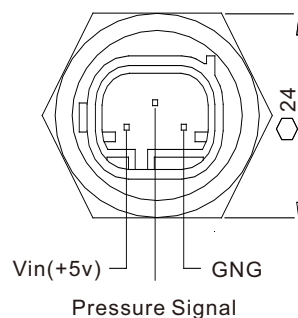
PS0xx-xxE-xx



PS0xx-xxM-xx



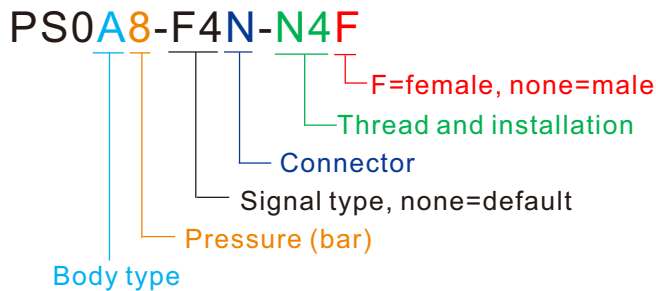
PS0xx-xxN-xx



## Specification

|                          |                                             |                        |                      |
|--------------------------|---------------------------------------------|------------------------|----------------------|
| Sensor type              | MEMS                                        | Pressure response time | 5ms                  |
| Default connector        | N3 (mate with AMP 2-967642-1, Customizable) | Burst pressure         | 2X Absolute pressure |
| Thread size              | M12x1.25(Customizable)                      | Working temp           | -40~120℃             |
| Protection               | IP67                                        | Accuracy               | 1.0%(0.5% available) |
| Temperature compensation |                                             | YES                    |                      |

## Code Identify



| Thread and installation |                  |
|-------------------------|------------------|
| M124                    | M12x1.25,default |
| B4                      | 1/4"BSP          |
| B8                      | 1/8"BSP          |
| N4                      | 1/4"NPT          |
| N8                      | 1/8"NPT          |

| Body type |           |
|-----------|-----------|
| A         | SS304     |
| B         | SS316     |
| C         | SS316L    |
| D         | Brass     |
| E         | Aluminium |

| Pressure Range |           |      |           |
|----------------|-----------|------|-----------|
| 0.25           | 0-0.25bar | 2.5  | 0-2.5bar  |
| 0.4            | 0-0.4bar  | 4.0  | 0-4.0bar  |
| 0.6            | 0-0.6bar  | 6.0  | 0-6.0bar  |
| 1.0            | 0-1.0bar  | 8.0  | 0-8.0bar  |
| 1.6            | 0-1.6bar  | 10.0 | 0-10.0bar |
| 2.0            | 0-2.0bar  | 12.0 | 0-12.0bar |

| Connector |                                           |
|-----------|-------------------------------------------|
| N         | Mate with AMP 2-967642-1                  |
| M         | Mate with Delphi 12065287                 |
| E         | Mate with FCI211PC032S0049, AMP 1801177-1 |

## Output Types

| Signal Type (Can be customized) |       |                       |
|---------------------------------|-------|-----------------------|
| Signal                          | Input | Output                |
| F4 (Default)                    | 5v    | 0bar/0.50v~F.S./4.50v |
| F5                              | 5v    | 0bar/0.25v~F.S./4.15v |
| F6                              | 5v    | 0bar/0.25v~F.S./4.75v |
| F7                              | 5v    | 0bar/0.50v~F.S./4.41v |
| T4                              | 9~24v | 0bar/0.50v~F.S./4.50v |
| T5                              | 9~24v | 0bar/0.25v~F.S./4.15v |
| T6                              | 9~24v | 0bar/0.25v~F.S./4.75v |
| T7                              | 9~24v | 0bar/0.50v~F.S./4.41v |

