A.S.P. Electro-Technology Ltd
INFORMATION SHEET

TITAN TYPE PF261 & PF262 EEx(d) / I.S. - MEDIUM PRESSURE SWITCHES

- **B.A.S.E.E.F.A. EEx(d) certified. Zones 1 & 2 Groups IIB + H2 T6. - Ta –20 to +55°C**
- **ATEX certified Ex 112 GD, EExd IIB + H2 T6, CAT 2**
- **Ta –55 to 75°C**
- **Intrinsically safe certified, EExia IIC T4, T5 & T6**
- **Stainless steel or black anodised aluminium IP66 rated enclosure.**
- **Calibrated adjustment scale**
- **Incremental pressure ranges between 0.1 to 40 Bar g.**

General:

This range has been used on machinery and process applications worldwide and has been used extensively on offshore applications. Diaphragm activation operations for pressures up to 40 Bar with a Bellofram option which offer an extremely low switching differential. Two microswitches set to operate simultaneously are offered as an option along with internal resistors for “end of line” & short circuit monitoring.

Wetted Parts: 316 Stainless Steel
Diaphram: Flurocarbon or Nitrile

Technical:

Switchcase and covers:
Stainless steel ANC4B BS3146 or black anodised aluminium alloy LM25TF.

Wetted parts: As specific data sheets

Microswitch form: 1 x SPDT
Contact material: Gold plated silver Contact rating: 3A @ 30V dc inductive 3A @ 250V ac inductive

Electrical connections: Clamp type terminal block suitable for cable sizes 0.5 – 2.5mm^2

Electrical conduit entry: M20 x 1.5 ISO straight entry.
Adaptors available e.g. 90° angled or ½” NPT straight entry.

Temperature limitations
Ambient
BASEEFA : Ta max. –20 to +55°C T max. 85°C T6

ATEX/Sira : Ta max. –55 to +75°C T max. 85°C T6 / Ta max. –55 to +75°C T max. 100°C T5

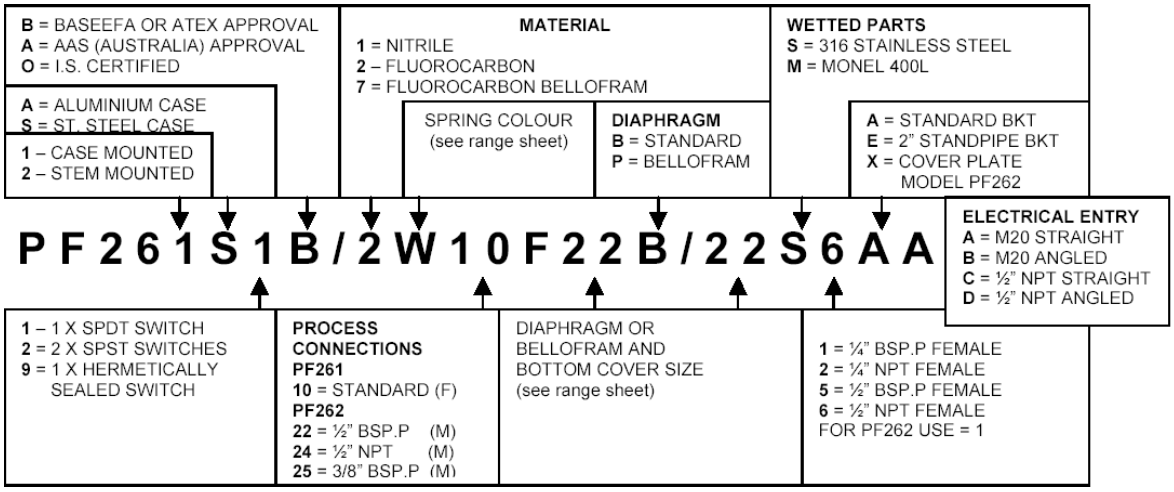
Process : -50 to 90°C (Nitrile diaphragm/seals) / -20 to 150°C (Fluorocarbon diaphragm/seals)

(Temperature and level switches see specific sheets)

Certification:
BASEEFA/CENELEC : EExd IIB + H2 T6
ATEX/Sira : CE 112GD EExd IIC T6 Ta –50 to +75°C
I.S. – Either EEx ia IIC T6 Ta = -50°C to +40°C
or EEx ia IIC T5 Ta = -50°C to +50°C
or EEx ia IIC T4 Ta = -50°C to +80°C

Accuracy: 2% BS6134:1991

Part Number Breakdown

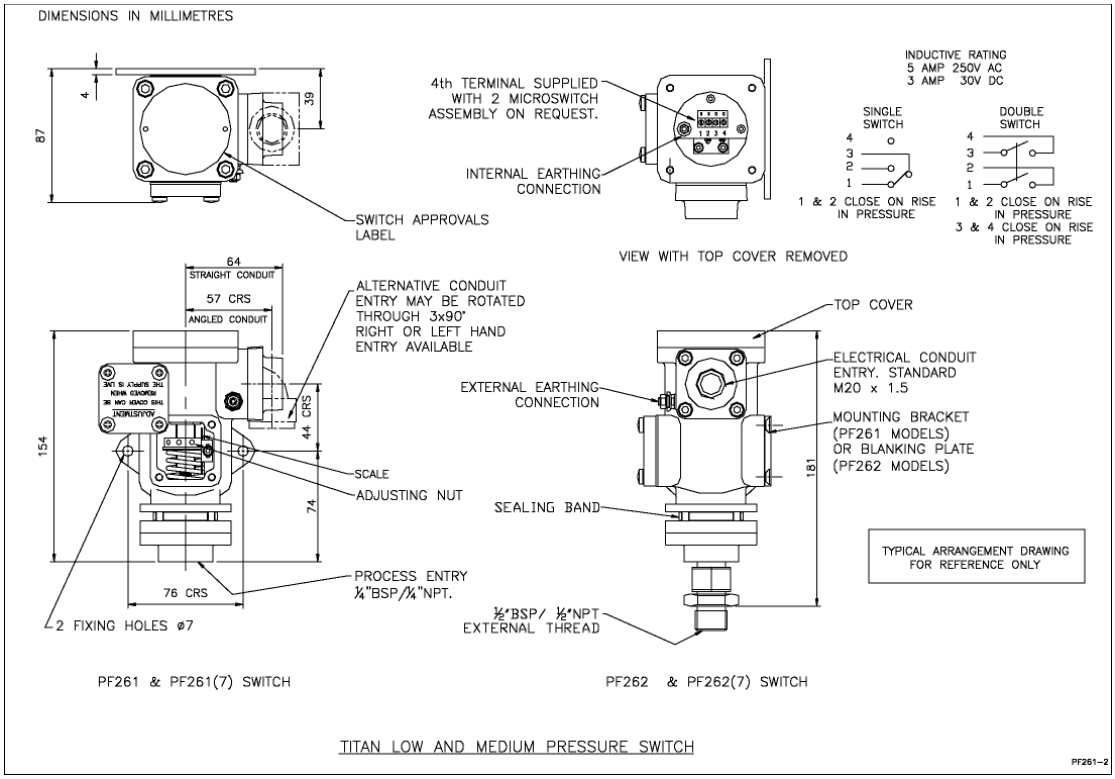


Adjustment Range:

ADJUSTMENT RANGE (BAR G)	ADJUSTMENT RANGE (PSI)	MAX. WORKING PRESSURE (BAR G)	SWITCHING DIFFERENTIAL (BAR G)	SPRING CODE	DIAPHRAGM SIZE
0.1 – 0.75	1.5 – 10	12	0.05 – 0.07	R	32
0.5 – 2.5	8 – 40	12	0.07 – 0.20	B	32
1 – 7	20 – 100	12	0.10 – 0.45	W	32
0.5 – 3	8 – 48	25	0.20 – 0.25	G	22
1 – 5	15 – 75	25	0.20 – 0.30	B	22
2 – 14	30 – 190	25	0.30 – 0.70	W	22
2 – 10	30 – 150	50	0.35 – 0.70	B	16
4 – 28	60 – 380	50	0.50 – 1.50	W	16
8 – 40	120 – 600	50	0.75 – 2.00	X	16

Lower Differential Adjustment Ranges

RANGE (BAR)	MAX PRESS (BAR)	DIFFERENTIAL (BAR)	SPRING COLOUR	BELLOFRAM	BOTTOM COVER
0.15 – 0.75	25	< 0.35	R	12P	32
0.35 – 1.75	25	< 0.07	G	12P	32
0.35 – 3.35	25	< 0.10	B	12P	32
0.75 – 8.75	25	< 0.15	W	12P	32
3.00 – 15.0	35	< 0.35	W	75P	22
7.5 – 27.5	40	< 0.70	X	75P	22



Supplied by:

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