

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

**TITAN TYPE PF263 & PF264 EEx(d) / I.S. -
HIGH 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 0.75 to 600 Bar g.



General:

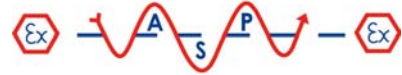
Incorporating a 316 stainless steel piston this high pressure switch offers reliable switching action and is housed in a stainless steel or black anodised aluminium case to IP66 standards. Suitable for set points up to 600 Bar (higher available upon request). Two microswitches set to operate simultaneously are offered as an option along with internal resistors for “end of line” and short circuit monitoring.

Wetted Parts: 316 Stainless Steel. Seals: Fluorocarbon.

Adjustment Range:

ADJUSTMENT RANGE (BAR G)	MAX. WORKING PRESSURE (BAR G)	SWITCHING DIFFERENTIAL (BAR G)	SPRING CODE	PISTON SIZE
0.75 – 5.75	700	0.45 – 1.12	R	6
2.0 – 14.0	700	0.70 – 1.30	G	6
10 – 58	700	0.60 – 1.00	W	6
30 – 110	700	1.40 – 2.50	W	4
80 – 240	700	4.30 – 9.40	X	3
100 – 320	700	3.60 – 9.10	W	2
180 – 420	700	8.00 – 16.0	X	2
200 – 600	700	16.0 – 32.0	W	1





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

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. –50 to +71 °C T max. 85°C T6
Ta max. –50 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

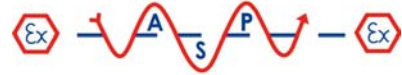
or EEx ia IIC T4 Ta = -50°C to +80°C

Accuracy: 1 % BS6134:199

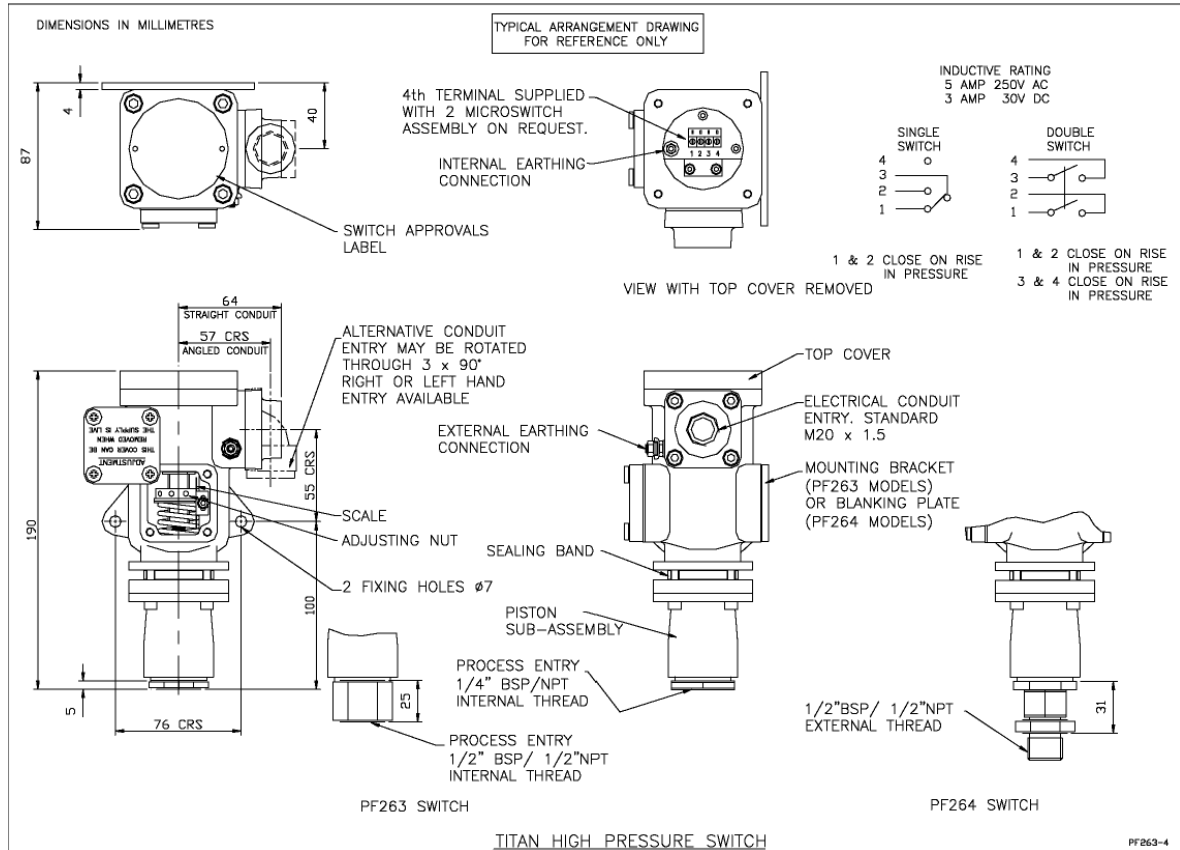
Part Number Breakdown

A = ALUMINIUM SWITCHCASE S = ST. STEEL SWITCHCASE	PROCESS CONNECTION 31 = ¼" BSP.P FEMALE (PF263) 32 = ¼" NPT MALE (PF263) 33 = ½" BSP.P FEMALE (PF263) 34 = ½" NPT FEMALE (PF263) 41 = ½" BSP.P MALE (PF264) 42 = ½" NPT MALE (PF264)	67 = FLAMEPROOF 63 = I.S. CERTIFIED
3 – BRACKET MOUNTED 4 – STEM MOUNTED		ELECTRICAL ENTRY A = M20 STRAIGHT B = M20 90° ANGLED C = ½" NPT STRAIGHT D = ½" NPT ANGLED
P F 2 6 3 S 1 B / 0 W 3 4 F 2 2 C / 6 7 S 6 M A		
1 = 1 X SPDT MICROSWITCH 2 = 2 X SPST MICROSWITCH	SPRING COLOUR (see range sheet)	PISTON SIZE (see range sheet)
B = BASEEFA APPROVAL A = AAS (AUSTRALIA) APPROVAL O = I.S. CERTIFIED		M = STANDARD BKT E = 2" STANDPIPE BKT X = COVER PLATE PF264



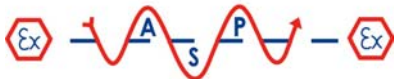


Drawings



Supplied by:

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