

BETA products are manufactured in The Netherlands

Enclosures:

Cast Aluminum:

Oven baked powder coating
hammer tone grey

Also available in SS 316

Wheaterproof IP 66
- EN 60529

(Nema 4X)

Repeatability:

Typical 0.2% of Full Scale

Standard unit: Barg

Optional: PSI / Kg / Pa

Standard process conetion:
1/4" NPT F or BSP F

Standard Diaphragm/O-ring:
Buna N / Buna N

For wetted parts:

More possibilities available,
see full catalogue

**BETA SWITCHES ARE,
BUILD TO LAST!**

Do you want to know more:

Please contact your local dealer
and ask for the General Bulletin.
Or contact us directly!



WWW.BETA-B.NL



RANGES for Pressure switches:

RANGE CODE	ADJUSTABLE RANGE		ADJUSTABLE RANGE		ADJUSTABLE RANGE		ADJUSTABLE RANGE	
	mBar/ Bar		PSI / Inch WC		Kpa/ MPa		Kg/cm2 / mmH2O	
P 301 L ¹⁾	2 - 15	mBar	0.8 - 6	InchWC	0.2 - 1.5	kPa	20 - 150	mmH2O
P 302 L ¹⁾	10 - 100	mBar	4 - 39	InchWC	1 - 10	kPa	100 - 1000	mmH2O
P 304 L	20 - 240	mBar	8 - 94	InchWC	2 - 24	kPa	200 - 2400	mmH2O
P 306 L	20 - 560	mBar	8 - 220	InchWC	2 - 56	kPa	200 - 5600	mmH2O
P 308 L	25 - 1300	mBar	10 - 510	InchWC	2.5 - 130	kPa	250 - 13000	mmH2O
P 402 M	100 - 400	mBar	1.5 - 5.8	PSI	10 - 40	kPa	0.1 - 0.41	Kg/cm2
P 404 M	100 - 950	mBar	1.5 - 14	PSI	10 - 95	kPa	0.1 - 0.97	Kg/cm2
P 406 M	120 - 2300	mBar	1.7 - 33	PSI	12 - 230	kPa	0.12 - 2.3	Kg/cm2
P 408 M	150 - 5400	mBar	2.1 - 78	PSI	15 - 540	kPa	0.15 - 5.45	Kg/cm2
P 502 H	0.3 - 1.6	Bar	4.4 - 23	PSI	0.03 - 0.16	MPa	0.3 - 1.60	Kg/cm2
P 504 H	0.4 - 3.5	Bar	5.8 - 51	PSI	0.04 - 0.35	MPa	0.4 - 3.5	Kg/cm2
P 506 H	0.5 - 9.0	Bar	7.3 - 130	PSI	0.05 - 0.9	MPa	0.5 - 9.2	Kg/cm2
P 508 H	0.7 - 21.5	Bar	10 - 310	PSI	0.07 - 2.15	MPa	0.7 - 22	Kg/cm2
P 706 H	2.5 - 32	Bar	36 - 464	PSI	0.25 - 3.2	MPa	2.5 - 33	Kg/cm2
P 708 H	3.0 - 76	Bar	44 - 1100	PSI	0.3 - 7.6	MPa	3.1 - 77	Kg/cm2
P 808 H	4.0 - 170	Bar	58 - 2500	PSI	0.4 - 17	MPa	4 - 170	Kg/cm2
P 908 H	10 - 300	Bar	150 - 4400	PSI	1 - 30	MPa	10 - 310	Kg/cm2
P 909 H	10 - 350	Bar	150 - 5100	PSI	1 - 35	MPa	10 - 360	Kg/cm2

¹⁾ Only available with L1-microswitch element. K1-microswitch element possible consult factory).

Disclaimer:

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C-Series

Pressure

Making the modelcode: Follow steps 1 to 5

1 Selection of enclosure type.

Conduit:	Material:	Code:
Pg 13.5	Aluminium	C1
M20 x 1.5	Aluminium	C2
3/4" NPT F	Aluminium	C3
1/2" NPT F	Aluminium	C4
M20 x 1.5	SS 316	C8
Other/ Specials	Aluminium	CX
	SS 316	CX

2 Selection of range code, see front page.

3 Selection of process connection.

Size:	Material:	Code:
1/4" NPT F	Aluminium *	A1N
1/2" NPT F	Aluminium *	A2N
1/4" NPT F	SS 316	S1N
1/2" NPT F	SS 316	S2N
1/2" NPT M	SS 316	S7N

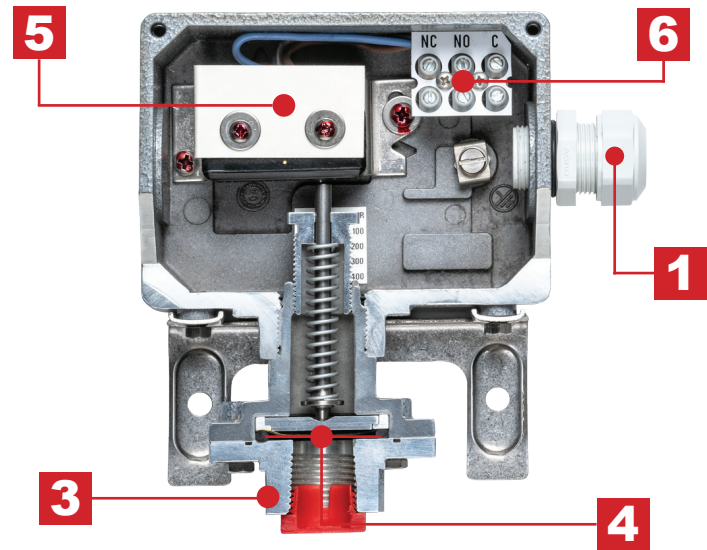
* Aluminum only, std on P.L. - **Not available** on other ranges.
 Above standard process connections are also available in: "BSP"
For example: 1/2" BSP F (3316) = S2B

Process connections are also available in other materials like, Monel, PVC, Hastelloy, Titanium etc.

4 Selection of wetted parts.*

Diaphragm:	O-ring:	Code:
Buna N	Buna N	B1
Viton	Viton	V2
SS 316	Buna N	S1
SS 316	Viton	S2
SS 316	Teflon	S4
SS 316	EPDM	S6
SS 316	Welded	S0

*** WETTED PARTS ARE NOT GUARANTEED,**
 against corrosion or permeation since processes vary from plant to plant and concentration of harmful fluids, gasses or solids vary from time to time in a given process.
 Empirical experience by users should be the final guide and alternate materials based on this are generally available.
 The diaphragm / O-Ring combinations are for process temperatures of -5°C to +90°C, unless otherwise indicated.
 For process temperatures beyond these limits please contact your BETA Switch Representative.



5 Selection of microswitches.

Rating:		Use:	Code:
VAC.	VDC. ³⁾		
480/ 15A	28/ 0.5A	Standard	K1 ²⁾
480/ 10A	28/ 0.5A	Standaard for L-serie	L1 ²⁾
480/ 15A	125/ 0.5A	Normal DC-service	U1
125/ 1A	28/ 0.5A	For use in ³⁾ H ₂ S environment and/or for Ex ia / Ex ib applications.	Y1
250/ 0.1A	30/ 0.1A		G1 ^{**}
250/ 0.1A	30/ 0.1A	Environmental proof (IP 67)	O1
250/ 2A	30/ 2A		N1

1) For D.P.D.T action, second code figure should be specified as "2"
For example: K1 = S.P.D.T./ K2 = D.P.D.T

2) VDE certified acc. to DIN EN 61 058-1:1992+A1:1993.

3) Indicated ratings are for resistive DC load only.

** DC Rating not U.L. listed, although experience and third party testing confirm the D.C Voltage ratings. Consult your local BETA switch Representative.

6 Selection of options.

Description:	Code:
Cable gland	C
Intrinsically Safe Application Ex i	I
Vacuum Protection Plate	M

Accessoires:

2" Pipe mount bracket set available.

Contents :
 2 x bolts M6 x 100 mm + washer & nut
 Size: +/- 1,5 mm, Material: SS 304

