

Short Form Data Sheet



BETA products are manufactured in The Netherlands

Enclosures:

Cast Aluminum: Oven baked powder coating hammertone grey

Also available in SS 316

Wheaterproof IP 66 -EN 60529

(Nema 4X)

Repeatablity: typical 0.2% of Full Scale

Standard unit: Barg

Optional: PSI / Kg / Pa

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

Standard Diaghragm/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!



Ranges for Vacuum swiches

RANGE ADJUSTABLE RANGE (INCR. VAC. TO PRESS.			MAX. DEADBAND (VAC. / PRESS.)		MAX. VACUUM		MAX. OVERRANGE PRESSURE		PROOF PRESSURE	
CODE		Bar / mBar	mB	ar	Bar /	mBar	В	ar	Bi	ar
V 301 L	-10 to -3	mBar	1	mBar	-500	mBar	+10	Bar	+15	Bar
V 304 L	-60/0/+150	mBar	4/4/6.5	mBar	-500	mBar	+30	Bar	+35	Bar
V 404 M	-400/0/+400	mBar	16/16/25	mBar			+125	Bar	+140	Bar
V 406 M	-980/0/+1000	mBar	30/30/40	mBar	-1	Bar	+125	Ddi	+140	Dai
V 506 H	-1/0/+6	Bar	80/80/25	mBar			+200	Bar	+600	Bar

¹) For setpoint around zero bar gauge, consult factory.



We reserve the right to make changes or modify the contents of this document without pior notice. **Disclaimer:** BETA B.V. does not accept any liability or claim whatsoever for potential errors, incorrect interpretation or possible lack of information in this document. It is clearly and only intented as course and general information of our products.

More Short Form Data Sheets on Vacuum, Differential and Temperature Switches are available.





Making the modelcode: Follow steps 1 to 5

Z-Series

Selection of enclosure type.

Conduit	Material	Enclosure code
Pg13.5	Aluminium	Z1
M20x1.5	Aluminium	Z2
3/4" NPT F	Aluminium	Z3
1/2" NPT F	Aluminium	Z 4
M20x1.5	SS 316	Z 8
3/4" NPT F	SS 316	Z 9

Selection of range code, see front page

Selection of process connection.

Size	Material	Code	
1/4"NPT F	Aluminium *	A1N	
1/2"NPT F	Aluminium *	A2N	
1/4"NPT F	SS316	S1N	
1/2"NPT F	SS316	S2N	
1/2"NPT M	SS316	S7N	
Process conn. size max. 1/2" Piston & Spring (both wetted) standard in SS 316.			

Aluminium process connection, only for P..L Sensor.

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, Hastolley, Titanium etc.

Selection of wetted parts

Diaphragm	O-ring	Code
Buna N	Buna N	B1
Viton	Viton	V2
SS316	Buna N	S1
SS316	Viton	S2
SS316	Neoprene	S 3
SS316	EPDM	S 6
Tantulum	Buna N	T1

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



Selection of microswitches

Rat	ting	Use:	¹⁾ Switch	
VAC.	VDC.	056:	Code:	
250/ 5A	250/ 0.25A		R1	
250/ 5A	250/ 0.25A	For z-series only	R2	

1) For D.P.D.T action, second code figure schould be specifeid as "2" For example: R1 = S.P.D.T./ R2 = D.P.D.T

Selection of options

Description	Option code
Cable gland	С
Stainless steel tag key ringed to enclosure (Tag has 2 lines - 16 charaters per line)	S
Epoxy coating of switch. (External) Only in combination SS 316 process connection	Y

Accessoires:

2" Pipe mount bracket set available.

Contents :

Disclaimer :

Temperature Switches.

2 x bolts M6 x 100 mm + washer + nut Size +/- 1.5 mm / Material SS 304



Foundation vibrations, as well as process vibrations, can disturb the proper functioning of the mounted instrument, the use of this bracket does not prevent or diminishes such occurrence.