Short Form Data Sheet

C-Series Temperature

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:
Degrees Celsius

Optional: Fahrenheit

Standard process connetion:
1/2" NPT M

Standard Buld Diameter:
10 mm

For wetted parts:
more possibilities available,
see full catalogue

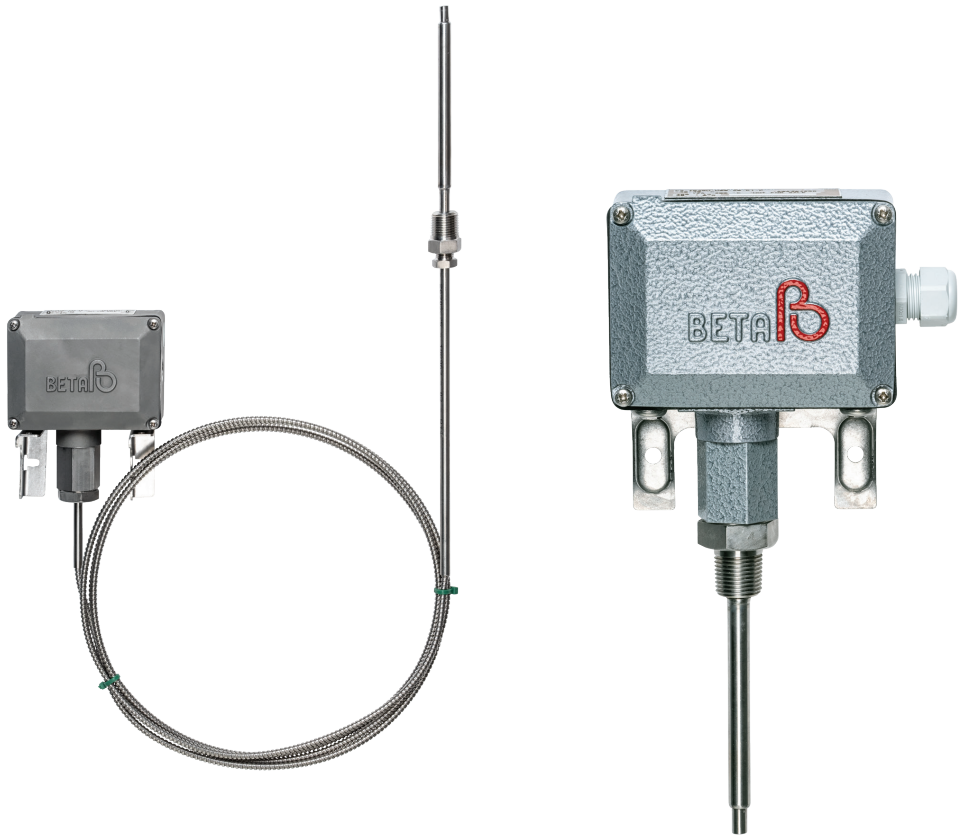
BETA SWITCHES ARE, BUILD TO LAST!

Do you want to know more:

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



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Ranges for Temperature swiches.

SP 401-25.02

RANGE CODE	ADJUSTABLE RANGE		MAX. DEADBAND [3]		MAX. TEMPERATURE		PROOF TEMPERATURE		MAX. PROCESS PRESSURE	
T 528 H	-40 / +40	°C	3	°C	+125	°C	+200	°C	175	Bar
T 548 H	0 / +80	°C			+200	°C	+250	°C		
T 568 H [1]	+60 / +180	°C			+300	°C	+350	°C		
T 588 H [2]	+160 / +300	°C	3.5	°C	+400	°C	+450	°C		

[1] In case process temperature > 140 °C, Direct mount sensing bulb is not recommended.

[2] Not in combination with Direct mount sensing bulb.

[3] For deadband calculation in combination with "SR"- and "SP"- micro, Consult Factory.

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

BETA PRESSURE & TEMPERATURE SWITCHES C-Series

Temperature

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
3/4" NPT F	SS 316	C9

2 Selection of range code, see front page.

3 Selection of process connection.

Process Connection:	Code:	Type of temperature sensing bulb:	
1/2" NPT (M)	D00	Direct mount	128 mm length
	D02	Direct mount	225 mm length
	C02	Capillary mount	2 mtr. cappilary length
	C05	Capillary mount	5 mtr. cappilary length
	C10	Capillary mount	10 mtr cappilary length
	CXX	Capillary mount	Special cappilary length

Note:
All SS 316 stainless steel sensor, capillary (SS 304 armored) and compression fitting.

[1]) Not in combination with range T588H (+160/+300 ˚C), not recommended with T568H in case of process temperature >140 ˚C.

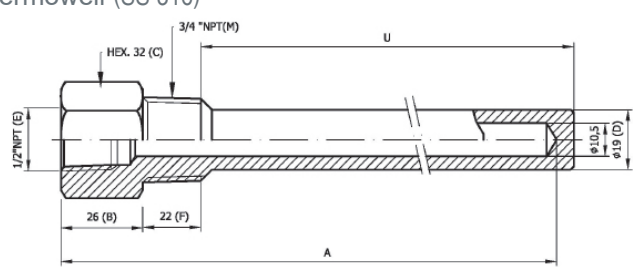
[2]) Length of capillary should be specified, consult your BETA Switch Representative. (Max 15 m.)

4 Selection of wetted parts.

All temperature switches have **"S0"** (SS 316) welded diaphragm.

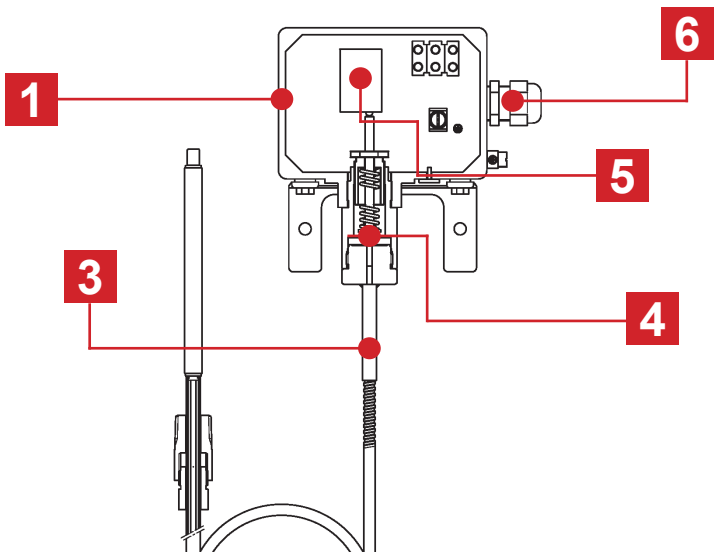
Accessoires:

Thermowell (SS 316)



Standard BETA Thermowell:

Code:	Insertion length "U" (MM):	Insertion Length "A" (MM):	Fit to BETA temp. sensing bulb:
TW 11	115	155	D00, C02, C03
TW 15	155	195	C02, C03, C05
TW 19	190	228	D02, C02, C03 & C05



5 Selection of microswitches.

Rating: VAC.	Rating: VDC. [3)]	Use:	Code: [1)]
480/ 15A	28/ 0.5A	**Standard**	K1 [2)]
480/ 10A	28/ 0.5A	Standaard for L-serie	L1
480/ 15A	125/ 0.5A	Normal DC-service	U1 [2)]
125/ 1A	28/ 0.5A	For use in H_2S environment and/or for Ex ia / Ex ib applications. [3)]	G1 **
250/ 0.1A	30/ 0.1A		Y1
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 schould be specifeid 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
For Ex i applications	I
Stainless steel tag key ringed to enclosure (Tag has 2 lines - 16 charaters per line)	S
Epoxy coating of enclosure and sensorbody (external)	Y

NOTES:

1. BETA Thermowells to be ordered as separate item. Do not include Thermowell code into the switch code.
2. Special Thermowell possible. Consult your BETA Switch Representive.

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