

## Main Specifications

## ▼Type

Liquid filled / Gas filled

## ▼Process connection

Material: SS316

1/2" or 3/4" NPT male thread

Other thread spec. are available upon request

## ▼Conduit connection

Material: SS316

1/2" or 3/4" NPT female thread

Other thread spec. are available upon request

## ▼Temperature range

-70~400°C (Liquid filled type)

-200~650°C (Gas filled type)

For details please refer to the tables of temperature range & min. stem length

## ▼Ambient temperature

-20~60°C

## ▼Applicable fluid

Liquid and gas that compatible with material of connection

## ▼Protection level

NEMA 4 / NEMA 4X / IP66

## Other Specifications

## ▼Case material

Die casting aluminum alloy

## ▼Stem diameter

Φ6 / Φ8 / Φ10 / Φ12

## ▼Switch type

SPDT micro switch

Current: Max. 5A

## ▼Operating voltage

250VAC / 28VDC

## ▼Contact rating

5A, 250VAC / 5A, 28VDC / 3A, 28VDC

## ▼Contact number

SPDTx1 / SPDTx2

## ▼Contact material

Pure silver 999.9

## ▼Wetted parts material

SS316

## ▼Switch current

5A (Ohm load)

3A (Inductive load)

## ▼Switch error

±1.6~3%F.S.

## ▼Other requests (Option)

Third party notarized documents

Inspection report

Tag

## Bottom Connected Temperature Switch (Water Proof Type) Model: TS-3000SA Introduction

TS-3000SA bottom connected temperature switch adopts SPDT micro switch, features max. current 5A and NEMA 4 / NEMA 4X waterproof protection, which is suitable for temp. control in high current environment.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

## Features

- OEM service
- Adopts SPDT micro switch, max. current 5A
- Contact number: SPDTx1 / SPDTx2
- Wide temperature range:
  - 70~400°C (Liquid filled type) /
  - 200~650°C (Gas filled type)
- Protection level: NEMA 4 / NEMA 4X / IP66

**Temperature range & min. stem length table (unit: mm)**

Liquid Filled Type						Gas Filled Type					
Code	Outer dia. Range (°C)	Φ6	Φ8	Φ10	Φ12	Code	Outer dia. Range (°C)	Φ6	Φ8	Φ10	Φ12
L1	-70~+50	100	70	40	30	G1	-200~+200	250	170	140	90
L2	-50~+50	120	80	50	30	G2	-100~+300				
L3	-30~+50	150	100	60	40	G3	-50~+400				
L4	-30~+100	100	70	40	30	G4	-50~+500				
L5	-10~+50	190	130	70	50	G5	-50~+600				
L6	-10~+100	110	80	50	30	G6	0~400				
L7	0~50	230	150	80	60	G7	0~500				
L8	0~60	190	130	70	50	G8	0~650				
L9	0~80	150	100	60	40						
L10	0~100	120	80	50	30						
L11	0~120	100	70	40	30						
L12	0~150	80	60	40	30						
L13	0~200	70	50	30	20						
L14	0~250	60	40	30	20						
L15	0~300	50	40	20	20						
L16	0~400	40	30	20	20						

**How to Order**

TS-3000SA Bottom Connected Temperature Switch (Water Proof Type)									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
L	Type	L	Liquid filled type	R	Gas filled type	-	-	-	-
4N	Process connection	4N	1/2" NPT	6N	3/4" NPT	O	Others	-	-
4N	Conduit connection	4N	1/2" NPT	6N	3/4" NPT	O	Others	-	-
L1	Temp. range	-70~400°C (Liquid filled type) -200~650°C (Gas filled type) Please refer to the tables of temperature range & min. stem length to select corresponding code							
Custom	Stem diameter	Φ6 / 8 / 10 / 12 mm Customized stem outer diameter is available.							
Custom	Stem length	Please refer to tables of temperature range & min. stem length The specified stem length cannot below minimum stem length listed in the table.							
1	Contact number	1	SPDTx1	2	SPDTx2	-	-	-	-
A	Contact rating	A	5A, 250VAC	B	5A, 28VDC	C	3A, 28VDC	-	-

Order example: TS-3000SA - L - 4N - 4N - L1 - 6mm - 100mm - 1 - A