

# New Product Information

Door Sensor **Long stroke!!**  
Non-contact Touch Switch

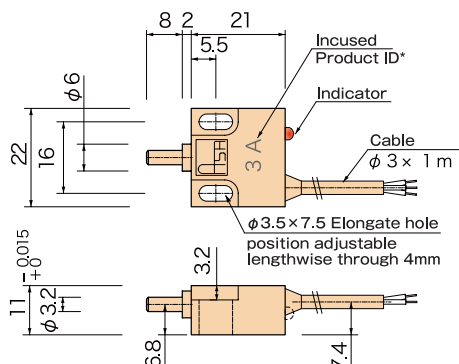
## STS9



### Features

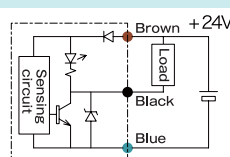
- Long stroke: 8mm, position adjustability: 4mm
- High reliability and long operational life achieved by non-contact structure
- Either two-wired or three-wired unit has both A and B operations.
- Compact and solid airtight structure allows for use in any conditions.
- Complying with increased requirements for safety, good hygiene and security

### Dimensions

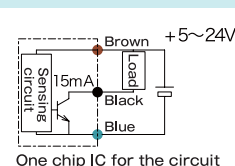


\* Incused IDs do not include a prefix code of STS9

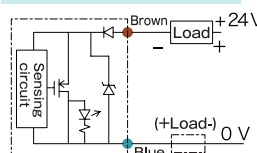
STS9 3-A,B(Circuit diagram1)



STS9 3-EA,EB(Circuit diagram3)



STS9 2-A,B(Circuit diagram2)



Note: Load can be set on either + power side or 0V side as the switch employs a two-wire system. Ensure the polarity is correctly aligned.

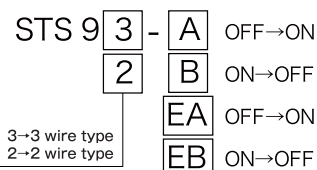
### Specifications

Product Number	STS92-A,B	STS93-A,B	STS93-EA,EB
Feature	Two-wire system; high tolerance to noise; large output	Three-wire system; high tolerance to noise; large output	Three-wire system; Economical type
	High reliable switch tolerant of loud noise.		For use in general environment with less noises
Response time	50m sec	5 μ sec	5 μ sec
Power supply	DC 24V	DC 24V	DC 5~24V
Indicator	Red LED	Red LED	None
Output specification	Actuating current : 50mA max Leakage current : 0.5mA max	NPN open collector Actuating current:80mA max	NPN open collector Actuating current:15mA max
Specification of protection circuit	Protection diode for reverse power connection,Noise limiter diode		None
Stroke	8 mm [FT] , Operating point:0.3~0.8 [PT]		
Operation force	0.8 N max,Operating point:0.4N max		
Stability of operating point	0.02mm Hysteresis (0.1mm max.)		
Operating temperature range	-20℃~+85℃ with no ice-up		
Operating life test	20 million times		
Degree of protection	IP65(Works even in a moist/oiliness condition as long as the axis moves)		
Case material	GF reinforced PBT		
Axis material	SUS303		
Cable	Heat-resistant vinyl chloride sensor cable, 1m long (standard)		
Cable color	A operation:OFF→ON:Gray, B operation: ON→OFF:Black		

### Product Number

Product Number
STS 92-A
STS 92-B
STS 93-A
STS 93-B
STS 93-EA
STS 93-EB

### Product ID



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