

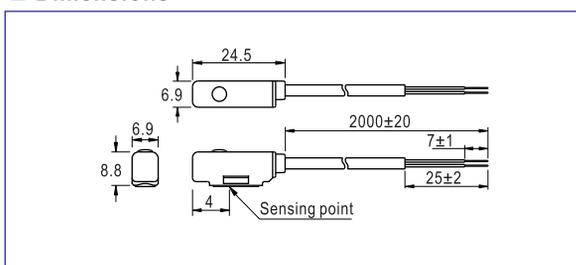
# Sensor switch



## DS1-T Series



### ■ Dimensions



### ■ Specification

Item/Type	DS1-T	DS1-TN	DS1-TP
Switch logic	Transistor without contact, Normally opened type		
Switch type	Two lines type	NPN type	PNP type
Operating voltage(V)	10~28V DC	5~30V DC	
Max. Switching current(mA)	50	200	
Switching rating(W)	Max. 1.4	Max. 6	
Current consumption	12(40)uA Max. @24V	15mA Max. @24V	
Voltage drop	2.65V Max. @50mA DC	0.5V Max. @200mA DC	
Cable	Φ 3.3,2C Black oil resistant PVC	Φ 3.3,3C Black oil resistant PVC	
Indicator	Red LED		
Leakage current	20(90)uA Max. @28V	0.01mA Max.	
Sensitivity(Gauss)	25~700	55~65	
Max. Frequency(Hz)	1000		
Shock(m/s <sup>2</sup> )	500		
Vibration(m/s <sup>2</sup> )	90		
Temperature range(°C)	-10~70		
Enclosure classification	IP67(NEMA6)		
Protection circuit	Power reverse polarity, surge suppression		

### ■ Ordering code

**DS1 T N 020 A 32**

- Number of sensor switch**  
DS1: Sensor switch
- Specification of sensor switch**  
Specification: Product Series  
T: T type    TWG
- Model of sensor switch**  
Blank: two-line /normally opened  
N: three-line NPN with no contact (current flows in) / normally opened  
P: three-line PNP with no contact (current flows out) / normally opened
- Bore size**  
32: Φ 32mm  
40: Φ 40mm  
50: Φ 50mm
- Body material**  
A: Aluminum alloy
- Connecting way** ①  
C08: M8 quick joint, length of wire is 150mm  
C12: M12 quick joint, length of wire is 150mm  
020: length of wire is 2m  
030: length of wire is 3m  
050: length of wire is 5m  
100: length of wire is 10m

① Note: The quick joint that is attached at the end of wire is three-needle-male joint-linear-rotary screw thread type. The female joint plug has to be ordered additionally. Please refer to P442 for the specific data.

### ■ Mounting

Installation example	Installation method
	<p>No additional accessories are necessary for the sensor switch of DS1-T, DS1-TN, DS1-TP series. It can be directly fixed onto the cylinder, which is convenient and fast.</p> <p>1. Strap band round the cylinder barrel. Snap the clamping screw into button orifice and adjust it to the proper position. Properly tighten the clamping screw to fix.</p>



Sensor switch

