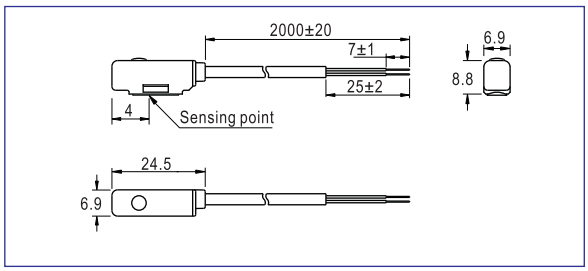
Dimensions



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	Φ3.3,2C Black oil resistant PVC	Φ3.3,3C 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^2)	500		
Vibration(m/s^2)	90		
Temperature range(℃)	-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: Φ32mm
40: Φ40mm
50: Φ50mm

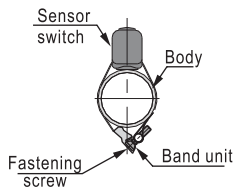
Cylinder Barrel material
A: Aluminum alloy

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 is10m

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 P420 for the specific data.

Mounting

Installation example	Installation method
	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. 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.