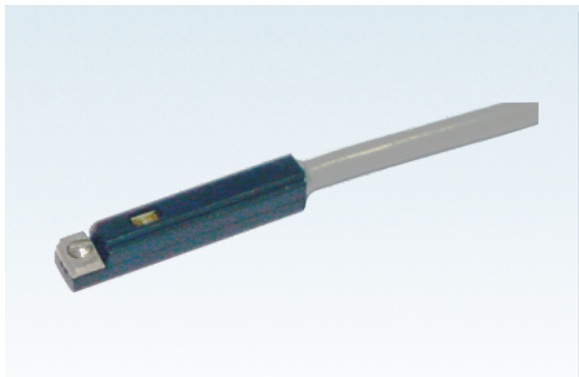
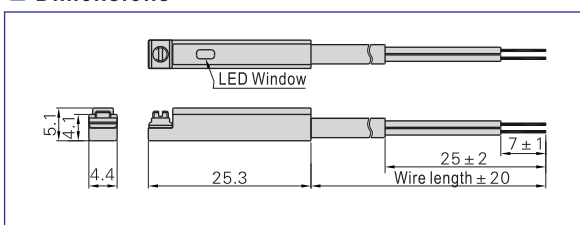


Sensor switch

DS1-G Series



Dimensions



Specification

Item/Type	DS1-G	DS1-GN	DS1-GP
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 2.8,2C 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	60~75	
Max. Frequency(Hz)	1000		
Shock(m/s ²)	500		
Vibration(m/s ²)	90		
Temperature range(°C)	-10~70		
Enclosure classification	IP67(NEMA6)		
Protection circuit	Power reverse polarity, surge suppression		

Ordering code

DS1 G N 020

<p>Number of sensor switch</p> <p>DS1: Sensor switch</p>	<p>Connecting way ①</p> <p>C08: M8 quick joint, length of wire is 150mm</p> <p>C12: M12 quick joint, length of wire is 150mm</p> <p>020: length of wire is 2m</p> <p>030: length of wire is 3m</p> <p>050: length of wire is 5m</p> <p>100: length of wire is 10m</p>				
<p>Specification of sensor switch</p> <table border="1"> <thead> <tr> <th>Specification</th> <th>Product Series</th> </tr> </thead> <tbody> <tr> <td>G: G type</td> <td>MD, MK, TR, TC, ACP, ACQ, STW TWH, TWM, TWQ, SDA20~100 QCK, HFZ10~40, HFY10~32 HFP10~32</td> </tr> </tbody> </table>	Specification	Product Series	G: G type	MD, MK, TR, TC, ACP, ACQ, STW TWH, TWM, TWQ, SDA20~100 QCK, HFZ10~40, HFY10~32 HFP10~32	<p>Model of sensor switch</p> <p>Blank: two-line /normally opened</p> <p>N: three-line NPN with no contact (current flows in)/ normally opened</p> <p>P: three-line PNP with no contact (current flows out)/ normally opened</p>
Specification	Product Series				
G: G type	MD, MK, TR, TC, ACP, ACQ, STW TWH, TWM, TWQ, SDA20~100 QCK, HFZ10~40, HFY10~32 HFP10~32				

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-G (N, P) series. It can be directly fixed onto the groove along the cylinder, which is convenient and fast.</p> <p>1. Loosen the clamping screw on sensor switch, lead the sensor switch to the additional slot and adjust it to the proper position. Tighten the clamping screw to fix.</p>

