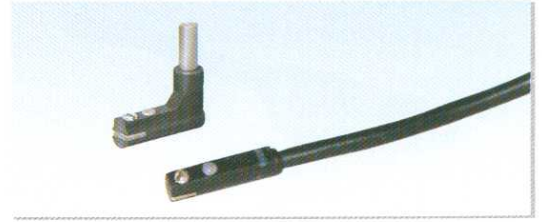


Sensor switch

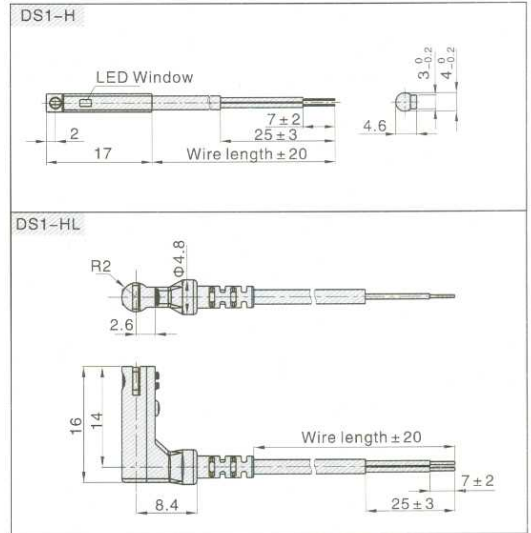
DS1-H(N, P) \ DS1-HL(N, P) Series

Specification

Item type	DS1-H	DS1-HL	DS1-HN	DS1-HLN	DS1-HP	DS1-HLP
Switch logic	Transistor without contact, Normally opened type					
Sensor 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) μ A 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) μ A 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) ①	-10~70					
Enclosure classification	IP67(NEMA6)					
Protection circuit	Power reverse polarity, surge suppression					



Dimensions



Ordering code

DS1 — H N — 020

Number of sensor switch

Specification of sensor switch

H: H Type (Used for HLH, HRQ, HFZ, HFY10~32 series)

HL: HL Type (Used for HLH, HRQ, HFZ, HFY10~32 series)

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

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 PVI-94 for the specific data.

Mounting

No installation accessories are necessary for the sensor switch of DS1-H (N, P) \ DS1-HL(N,P) series. It can be directly fixed onto the groove of the cylinder, which is convenient and fast.

DS1-H□, DS1-H□N, DS1-H□P (HLH, HRQ, HFZ, HFY6 Series)

Installation method

Adjust the clamping screw on sensor switch to the parallel position that enables the sensor switch to enter the installation slot. Then lead the sensor switch to the installation slot and adjust it to the proper position and tighten the clamping screw to fix.

