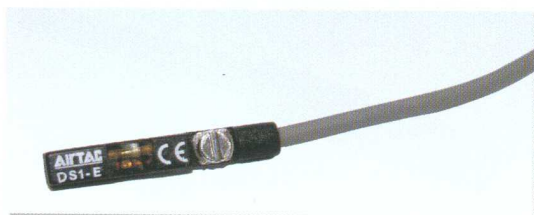
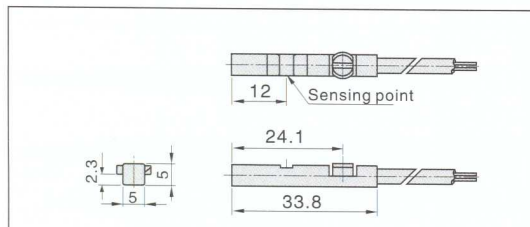


Sensor switch

DS1-E(N, P) Series



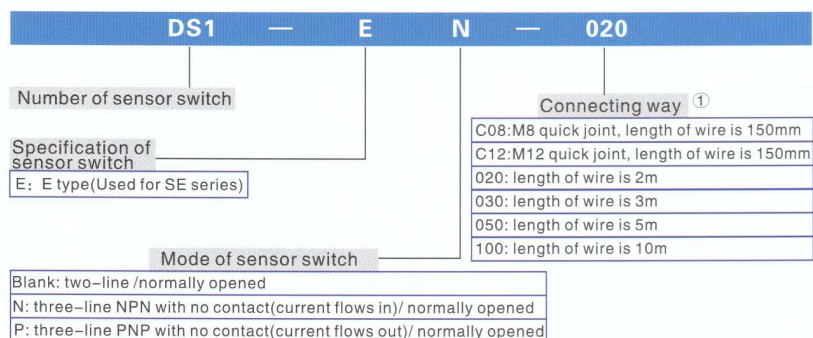
Dimensions



Specification

Item/type	DS1-E	DS1-EN	DS1-EP
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)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	45~55	
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		

Ordering code



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-E (N, P) series. It can be directly fixed onto the groove of the cylinder, which is convenient and fast.

DS1-E(N, P) (SE Series)

Installing groove

Installing groove

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.

