

# Reed Switches

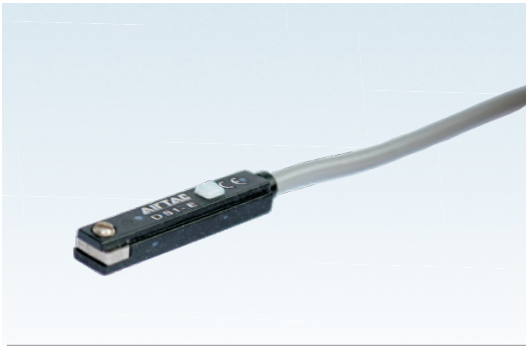


## To Suit ISO15552



Three Wire, NO Current Flows Out (PNP)		
Code	Length mtrs	Voltage
DS1-EP020	2	5-30V DC
DS1-EP050	2	5-30V DC

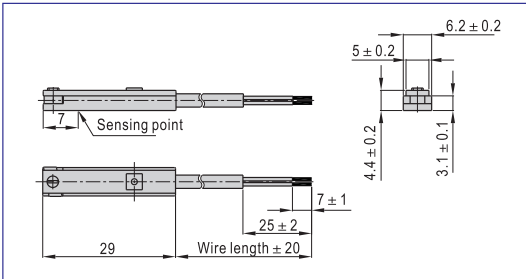
Three Wire, NO Current Flows In (NPN)		
Code	Length mtrs	Voltage
DS1-EN020	2	5-30V DC
DS1-EN050	2	5-30V DC



### Specification

Item/Type	DS1-E	DS1-EN	DS1-EP
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	45-55	
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		

### Dimensions



### Ordering code

**DS1 E N 020**

- Number of sensor switch**
  - DS1: Sensor switch
- Specification of sensor switch**

Specification	Product Series
E: E type	Use for SE, ACE series
- Connecting way**
  - 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
- 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

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
<p>Sensor switch, Body, Installation groove</p>	<p>No additional 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.</p> <p>1. Adjust the clamping screw on sensor switch. Then slide the sensor switch to the additional slot and adjust it to the proper position and tighten the clamping screw to fix.</p>
<p>Installation groove, Sensor switch, Body</p>	