

■ **Inductive Rectangular Shaped Proximity Sensor**

**Features**

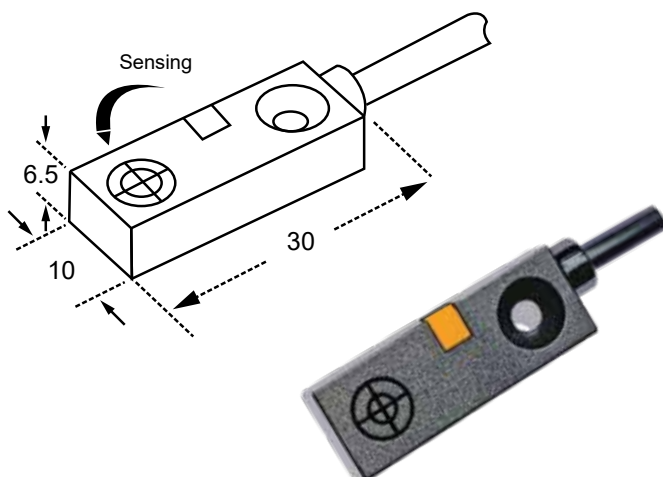
- Reverse power polarity protection.
- Surge protection function.
- Long life cycle and High reliability.
- Able to check the status of operation by Red LED Indicator.
- No side sensing.
- Wide range of applications, for replacement of Micro switch, Limit switch.
- Water proof structure by IP 67.



■ **Specifications (DC 3wire type)**

Model	BIF-PN4	BIF-PC4	BIF-NN4	BIF-NC4
Function	PNP Make (NO)	PNP Break (NC)	NPN Make (NO)	NPN Break (NC)
Detecting Distance	4mm			
Switching Hysteresis	Max. 15% of Sr			
Standard Detecting Target	10 x 10 x 1mm (Iron)			
Setting Distance	4mm ± 10%			
Power Supply (Operating Voltage)	10-30VDC			
Current Consumption	<10mA			
Response Frequency	2 kHz			
Residual Voltage	Max. 1.5V			
Temperature Drift	±10% Max. of detecting distance at +20°C within temperature range of -25 to +70°C			
Max. Load Current	150mA			
Connection Type	Cable 2mtr.			
Housing Type	Mini rectangular 10X6.5mm, length 30mm, Upside Sensing			
Housing Material	PBT			
Vibration & Shock	1mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 2 hours 500m/s <sup>2</sup> (50G) in X, Y, Z direction for 3 times			
Indicator	Operating indicator (RED LED)			
Ambient Temperature	-25 to +70°C (non-freezing condition)			
Storage Temperature	-30 to +80°C (non-freezing condition)			
Ambient Humidity	35 to 95% RH			
Protection Circuit	Surge protection circuit, Overload (overload current point 180mA)			
Protection	IP67			
Weight	Approx. 30g			
Mounting Nut	M3 pan head screw (included)			

◆ **Dimension Drawings**



◆ **Connection Diagrams**

