







■ **Capacitive cylindrical type proximity sensor**

Features

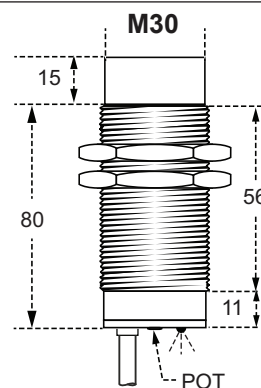
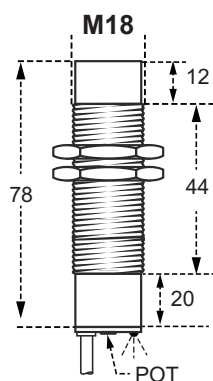
- Reverse power polarity protection.
- Surge protection function.
- Over current protection function.
- Long life cycle and high reliability.
- Able to check the status of operation by Red LED Indicator.
- Wide range of applications, for replacement of Micro switch, Limit switch.
- Structure by IP 65.

Dimension		Model
M18		BCE18-PN15
		BCE18-NN15
M30		BCE30-PN30
		BCE30-NN30

■ **Specifications (DC 3wire type)**

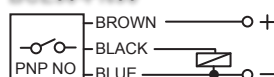
Model	BCE18-PN15	BCE18-NN15	BCE30-PN30	BCE30-NN30
Function	PNP Make (NO) 	NPN Make (NO) 	PNP Make (NO) 	NPN Make (NO) 
Detecting Distance	2~15mm Adjustable		2~30mm Adjustable	
Switching Hysteresis	Max. 15% of Sr			
Standard Detecting Target	18 x 18 x 1mm (Iron)		30 x 30 x 1mm (Iron)	
Setting Distance	2~15mm ± 10%		2~30mm ± 10%	
Power Supply (Operating Voltage)	10-40VDC			
Current Consumption	<10mA			
Response Frequency	100 Hz			
Residual Voltage	Max. 1.5V			
Temperature Drift	±10% Max. of detecting distance at +20°C within temperature range of −25 to +70°C			
Control Output	400mA			
Connection Type	Cable 2mtr.			
Housing Type	Cylindrical Threaded(1mm), 18mm dia, length 78mm		Cylindrical Threaded(1mm), 30mm dia, length 80mm	
Housing Material	PBT Resin			
Vibration & Shock	1mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 2 hours		500m/s ² (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 & short circuit protection			
Protection	IP65			
Weight	Approx. 92g		Approx. 195g	
Approval	CE			

◆ **Dimension Drawings**



◆ **Connection Diagrams**

**BCE18-PN15
BCE30-PN30**



**BCE18-NN15
BCE30-NN30**

