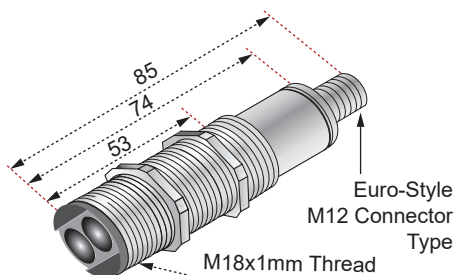
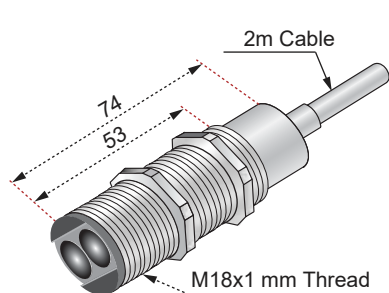


- ◆ Threaded cylindrical Photoelectric sensor
- ◆ Short-circuit protection and reverse polarity protection
- ◆ Sensitivity adjuster
- ◆ Standard M18 cylindrical metal tube

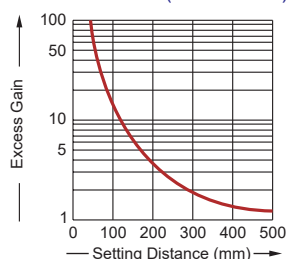


Sensing Mode	Diffuse 				Thru-Beam 	
Model	BPR18-PK400F	BPR18-NK400F	BPR18-PK400F-CX	BPR18-NK400F-CX	BPR18-PK20MH-X	BPR18-NK20MH-X
Output Mode	PNP	NPN	PNP	NPN	PNP	NPN
Wiring Method	Pre-wired Ø4.2 x 2 M / 4-wires		M12 Connector Type		4-Wire for Receiver, 2-Wire for Emittor	
Sensing Range	400mm				20Mtr.	
Current Consumption	<30 mA Max. (white paper 100x100mm)				<45 mA Max.	
Load Current	200mA Max. at DC24V				150mA	
Emitting Light	Infrared LED 875nm				Infrared LED 850nm	
Operating Voltage	10~ 30VDC					
Operation Mode	NO (Dark on) / NC (Light on) by the wire Selection					
Response Time	1 ms Max.					
Insulation Resistance	20MΩ min. (DC500V)					
Voltage with Stand Ability	AC1000V 60Hz for 60 Sec.					
Operating Temperature	- 20°C ~ + 70°C					
Ambient Humidity	35% ~ 85% RH					
Material	Nickel Plated Brass		Xylan Plated Brass			
Protection Degree	IP64				IP65	
Weight	Approx. 105g		Approx. 80g		Approx. 210g	

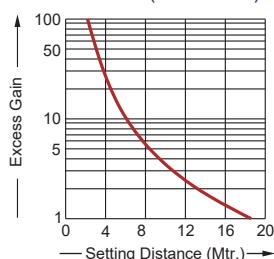
◆ **Dimension Drawing & Sensing Characteristics (Typical)**



Diffuse Mode (Sn=400mm)



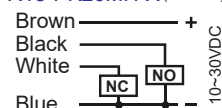
Thru-beam (Sn=20Mtr.)



◆ **Connection Diagram**

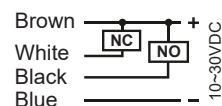
BPR18-PK400F

BPR18-PK20MH-X (Receiver)



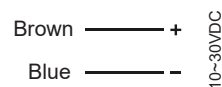
BPR18-NK400F

BPR18-NK20MH-X (Receiver)



BPR18-PK20MH-X (Emitter)

BPR18-NK20MH-X (Emitter)



BPR18-PK400F-CX

BPR18-NK400F-CX

Euro-style

