

Cylindrical

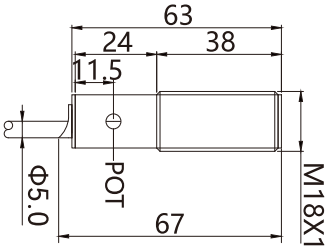
PM18 Series



Appearance					
Sensing type	Diffuse reflection		Retro-reflection	Thru-beam	
Sensing distance	150mm	500mm	0.1-3m	15m	
Indicator	Yellow				
Switch frequency	500HZ				
Light source	Infrared LED 880nm				
Operating voltage	10~30V DC				
Response time	< 2ms				
Sensitivity	Single-turn potentiometer				
Load current	≤200mA				
Power delay	< 300ms				
Ambient temperature	-25℃~+55℃				
Ambient humidity	35~85% RH				
Ambient illuminance	<5000Lux				
Protection degree	IP66				
Material	Housing: PBT/Nickel-plated copper ; Len: PMMA				
Connection	PVC cable/2m;4*0.25mm²			PVC cable/2m;2*0.5mm²/4*0.25mm²	
Model	NPN	PM18-D10NR	PM18-D40NR	PM18-R300NR	PM18-TM15NR
	PNP	PM18-D10PR	PM18-D40PR	PM18-R300PR	PM18-TM15PR

Dimensions

Unit: mm



Cylindrical

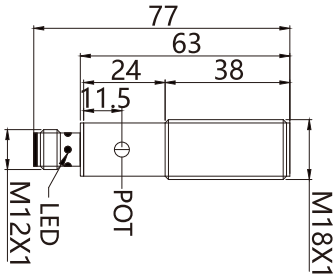
PM18 Series



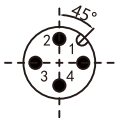
Appearance			
Sensing type	Diffuse reflection		Retro-reflection
Sensing distance	150mm	500mm	0.1~3m
Indicator	Yellow		
Switch frequency	500HZ		
Light source	Infrared LED 880nm		
Operating voltage	10~30V DC		
Response time	< 2ms		
Sensitivity	Single-turn potentiometer		
Load current	≤200mA		
Power delay	< 300ms		
Ambient temperature	-25℃~+55℃		
Ambient humidity	35~85% RH		
Ambient illuminance	<5000Lux		
Protection degree	IP66		
Material	Housing: PBT/Nickel-plated copper ; Len: PMMA		
Connection	M12 connector		
Model	NPN	PM18-D10NR-E2	PM18-D40NR-E2
	PNP	PM18-D10PR-E2	PM18-D40PR-E2
			PM18-R300NR-E2
			PM18-R300PR-E2

Dimensions

Unit: mm



M12 Connector

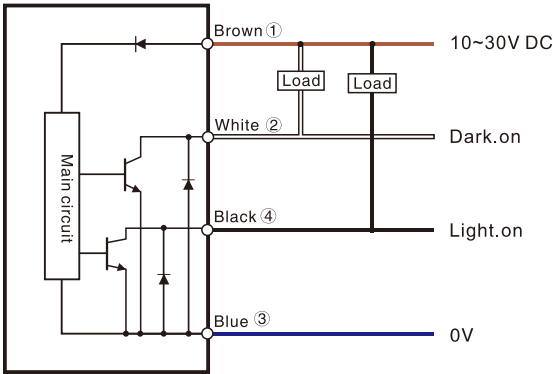


Cylindrical

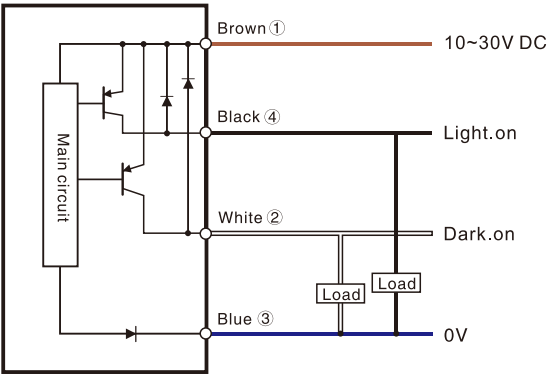
Circuit diagram

PM18-D10/40/TM15

NPN Output

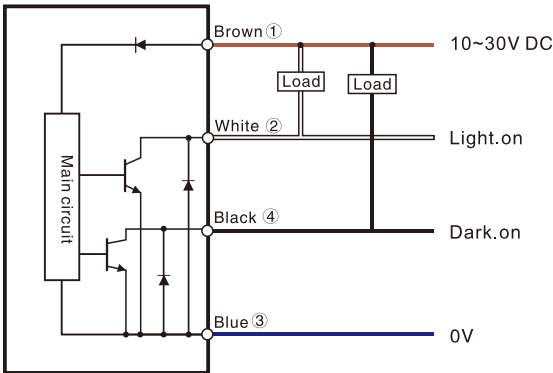


PNP Output

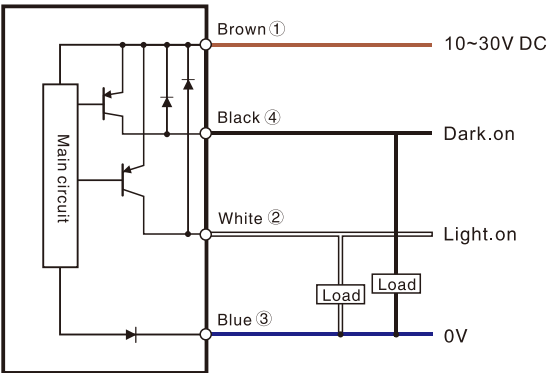


PM18-R300

NPN Output



PNP Output



Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vision
Code Readers
Vibration
Temperature
Accessories
Guidance
Photoelectric
Cylindrical
Square
Flat type
Thin type
BGS
Transparent deflection
Color/Mark Detection
TOF type
IP69K high protection type
Anti-glare type
IO-Link type
Reflectors
Reflectors