


M18 系列

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图片	描述	模式	范围
	柱形光电传感器 <ul style="list-style-type: none"> • 标准12mm长外壳 • 预连线或快速断线 • 金属或塑料外壳 • 自带放大器 	对照式	15m
		镜面反射式	3m
		扩散式	500mm

	对照式	扩散式	镜面反射式	镜面反射式 (极化)
工作范围	15m (49.2 ft.)	0.5m (1.6 ft.)	3m (9.8 ft.)	1m (3.2ft.)
光发射	880nm 红外 LED			660nm 红色 LED

DC 型号

料号 - 金属外壳

发射器	M18B-T015MD-EX9Q4LE			
NPN - Light/Dark	M18B-T015MN-CX9Q4UE	M18B-D0500N-CX9Q4UE	M18B-L3000N-CX9Q4UE	M18B-L1000N-CX6Q4UE-PF
PNP - Light/Dark	M18B-T015MP-CX9Q4UE	M18B-D0500P-CX9Q4UE	M18B-L3000P-CX9Q4UE	M18B-L1000P-CX6Q4UE-PF

料号 - 塑料外壳 (直角外形)

发射器	M18P-T015MD-EZ9Q4LE			
NPN - Light/Dark	M18P-T015MN-CZ9Q4UE	M18P-D0500N-CZ9Q4UE	M18P-L3000N-CZ9Q4UE	M18P-L1000N-CZ6Q4UE-PF
PNP - Light/Dark	M18P-T015MP-CZ9Q4UE	M18P-D0500P-CZ9Q4UE	M18P-L3000P-CZ9Q4UE	M18P-L1000P-CZ6Q4UE-PF

AC 型号

料号 - 金属外壳

发射器	M18B-T015MA-EX9Q4LM			
Light-ON	M18B-T015MA-LX9Q4UM	M18B-D0500A-LX9Q4UM	M18B-L3000A-LX9Q4UM	M18B-L1000A-LX6Q4UM-PF
Dark-ON	M18B-T015MA-DX9Q4UM	M18B-D0500A-DX9Q4UM	M18B-L3000A-DX9Q4UM	M18B-L1000A-DX6Q4UM-PF

料号 - 塑料外壳 (直角外形)

发射器	M18P-T015MA-EZ9Q4LM			
Light-ON	M18P-T015MA-LZ9Q4UM	M18P-D0500A-LZ9Q4UM	M18P-L3000A-LZ9Q4UM	M18P-L1000A-CZ6Q4UM-PF
Dark-ON	M18P-T015MA-DZ9Q4UM	M18P-D0500A-LZ9Q4UM	M18P-L3000A-DZ9Q4UM	M18P-L1000A-CZ6Q4UM-PF

TECHNICAL DATA

	DC Models	AC Models
Power Supply	10...30 VDC	20 to 250 VAC
Current Consumption	30mA max.	5mA max.
Indicator LEDs	Red LED (output activated)	
Voltage Drop	2.5 V or less	10 VAC
Current Load Max	200mA	300mA
Response Time	1.5ms	-
Connection	M12 - Recommended Mating Cable: part # R-FS4TZ-V075 (straight), R-FA4TZ-V075 (right-angle)	½"-20 UNF - Recommended Mating Cable: part # U-FS4TA-V165 (straight), U-FA4TA-V165 (right-angle)
Electrical Protection	Short-circuit, Reverse Polarity and Overload Current Protection	-
Mechanical Protection	IP67 (IEC)	
Housing Material	Metal: Nickel-plated Brass; Plastic: PBT	
Environment	-25°C to +55°C (-13°F to 131°F) ; 35-85% RH	
Storage Temp.	-25°C to + 70°C (-13°F to +158°F)	
Reference Standard	IEC 60947-5-2	

DIAGRAMS

Dimensions	Connections		
	Emitter AC 	AC Connector (½"-20 UNF) 	
	AC Through-beam Receiver, Diffuse & Retro 	AC Connector (½"-20 UNF) 	
	Emitter DC 	DC Connector (M12) 	
	NPN/PNP 	DC Connector (M12) 	
	<small>D1: Reverse polarity protection diode ZD1: Surge absorption zener diode T1: NPN output transistor</small>	<small>D1: Reverse polarity protection diode ZD1: Surge absorption zener diode T1: PNP output transistor</small>	