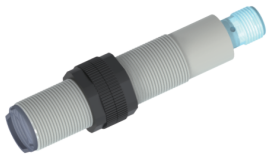
M18 Cylindrical Photoelectric Sensor

BFDP-M18-A14I15-S124 series · Sensing Distance: 150mm / 500mm · Operating Voltage: 24...240V AC

IP66
Ingress Protection



①②



③④

KEY SPECIFICATIONS

SENSING DISTANCE **150mm / 500mm**	OPERATING VOLTAGE **24...240V AC**
SWITCHING FREQ. **25Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **M18*1mm**	RESPONSE TIME **≤40ms**

FEATURES

- Quick response time; Infrared light source; Strong light immunity capability

MODEL CODES

Output Type	①	②	③	④
N.O	**BFDP-M18-A14I15-S124** SKU 10104840	**BFDP-M18-A14I50-S124** SKU 10104842	**BFDM-M18-A14I15-S124** SKU 10104844	**BFDM-M18-A14I50-S124** SKU 10104846
N.C	**BFDP-M18-A24I15-S124** SKU 10104841	**BFDP-M18-A24I50-S124** SKU 10104843	**BFDM-M18-A24I15-S124** SKU 10104845	**BFDM-M18-A24I50-S124** SKU 10104847

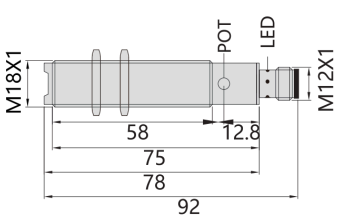
TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 150mm ②: 500mm ③: 150mm ④: 500mm
Detection type	Diffuse reflection
Switching frequency	25Hz
Operating voltage	24...240V AC
Light source	Infrared light 880nm
Response time	≤40ms
Load current	≤300mA
Power-on delay	<300ms
Blind distance	<1cm
Sensitivity adjustment	Single-turn potentiometer

Light immunity	<5000Lux
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	①: PBT ②: PBT ③: Brass, nickel-plated ④: Brass, nickel-plated
Ingress protection	IP66
Lens material	PMMA
Operation indicator	Yellow
Connection	M12 Connector
Accessories	M12 4 pin cable with connector

DIMENSIONAL DRAWINGS

M18X82 Connector ①②



All dimensions in mm.