M18 Cylindrical Photoelectric Sensor

BFDP-M18-N31I15-S124 series · Sensing Distance: 150mm / 500mm · Operating Voltage: 10...30V DC

IP66
Ingress Protection



①②



③④

KEY SPECIFICATIONS

SENSING DISTANCE **150mm / 500mm**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **M18*1mm**	RESPONSE TIME **<2ms**

FEATURES

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

MODEL CODES

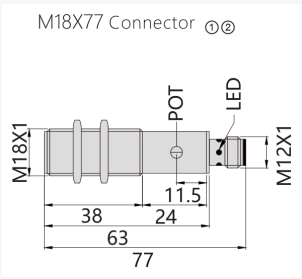
Output Type	①	②	③	④
NPN N.O+N.C	**BFDP-M18-N31I15-S124** SKU 10104764	**BFDP-M18-N31I50-S124** SKU 10104766	**BFDM-M18-N31I15-S124** SKU 10104768	**BFDM-M18-N31I50-S124** SKU 10104770
PNP N.O+N.C	**BFDP-M18-P31I15-S124** SKU 10104765	**BFDP-M18-P31I50-S124** SKU 10104767	**BFDM-M18-P31I15-S124** SKU 10104769	**BFDM-M18-P31I50-S124** SKU 10104771

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	①: 150mm ②: 500mm ③: 150mm ④: 500mm
Detection type	Diffuse reflection
Switching frequency	500Hz
Operating voltage	10...30V DC
Light source	Infrared light 880nm
Response time	<2ms
Load current	≤200mA
Power-on delay	<300ms
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



All dimensions in mm.