M18 Cylindrical Photoelectric Sensor

BFTP-M18-E1I1500-PC2 series · Sensing Distance: 15m · Operating Voltage: 10...30V DC

IP66
Ingress Protection


①


②


③


④

KEY SPECIFICATIONS

SENSING DISTANCE **15m**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **M18*1mm**	RESPONSE TIME **<2ms**

FEATURES

- Long detection distance
- Wide detection range
- Infrared light source
- Light immunity capability

MODEL CODES

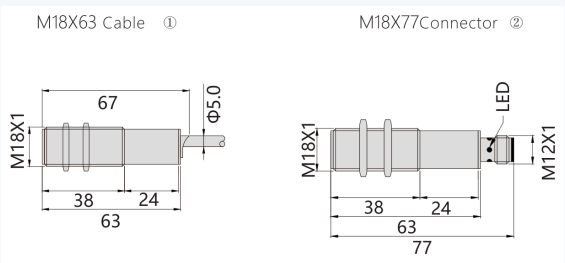
Output Type	①	②	③	④
Emitter	**BFTP-M18-E1I1500-PC2** SKU 10104806	**BFTM-M18-E1I1500-PC2** SKU 10104809	**BFTP-M18-E1I1500-S124** SKU 10104812	**BFTM-M18-E1I1500-S124** SKU 10104815
NPN N.O+N.C	**BFTP-M18-N31I1500-PC2** SKU 10104807	**BFTM-M18-N31I1500-PC2** SKU 10104810	**BFTP-M18-N31I1500-S124** SKU 10104813	**BFTM-M18-N31I1500-S124** SKU 10104816
PNP N.O+N.C	**BFTP-M18-P31I1500-PC2** SKU 10104808	**BFTM-M18-P31I1500-PC2** SKU 10104811	**BFTP-M18-P31I1500-S124** SKU 10104814	**BFTM-M18-P31I1500-S124** SKU 10104817

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	15m
Detection type	Through-beam
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	No
Light immunity	<5000Lux
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	①: PBT ②: Brass, nickel-plated ③: PBT ④: Brass, nickel-plated

Ingress protection	IP66
Lens material	PMMA
Operation indicator	Yellow
Connection	①: 2m PVC Cable, 2*0.5mm²/4*0.25mm² ②: 2m PVC Cable, 2*0.5mm²/4*0.25mm² ③: M12 Connector ④: M12 Connector
Accessories	①: None ②: None ③: M12 4 pin cable with connector ④: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.