# M18 Cylindrical Photoelectric Sensor

BFTP-E18-I1500-PC2-S124 series · Sensing Distance: 15m · Operating Voltage: 10...30V DC

**IP66**
Ingress Protection



① ②

## KEY SPECIFICATIONS

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

FEATURES

- Long detection distance
- Wide application range
- Can detect a variety of objects

## MODEL CODES

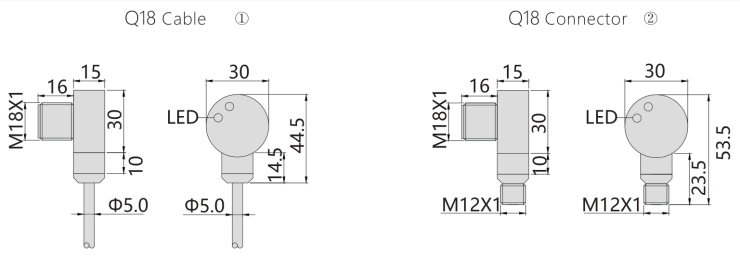
| Output Type | ① | ② |
|---|---|---|
| Emitter | **BFTP-E18-E1I1500-PC2**<br>SKU 10104818 | **BFTP-E18-E1I1500-S124**<br>SKU 10104821 |
| NPN N.O+N.C | **BFTP-E18-N31I1500-PC2**<br>SKU 10104819 | **BFTP-E18-N31I1500-S124**<br>SKU 10104822 |
| PNP N.O+N.C | **BFTP-E18-P31I1500-PC2**<br>SKU 10104820 | **BFTP-E18-P31I1500-S124**<br>SKU 10104823 |

## 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** | None |
| **Light immunity** | <5000Lux |

| | |
|---|---|
| **Ambient temperature** | -25...55°C |
| **Ambient humidity** | 35...85% |
| **Housing material** | PBT |
| **Ingress protection** | IP66 |
| **Lens material** | PMMA |
| **Operation indicator** | Yellow |
| **Connection** | ①: 2m PVC Cable, 2*0.25mm², 4*0.25mm²<br>②: M12 Connector |
| **Accessories** | ①: None<br>②: M12 4 pin cable with connector |

## DIMENSIONAL DRAWINGS




*All dimensions in mm.*