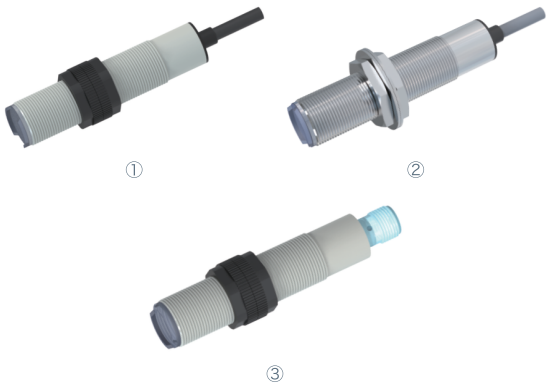
# M18 Cylindrical Photoelectric Sensor

BFRP-M18-A14I300-PC2 series · Sensing Distance: 0.1...3m · Operating Voltage: 24...240V AC

**IP66**
Ingress Protection




## KEY SPECIFICATIONS

| | |
|---|---|
| SENSING DISTANCE<br>0.1...3m | OPERATING VOLTAGE<br>24...240V AC |
| SWITCHING FREQ.<br>25Hz | AMBIENT TEMP.<br>-25...55°C |
| HOUSING<br>M18*1mm | RESPONSE TIME<br>≤40ms |

FEATURES

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

## MODEL CODES

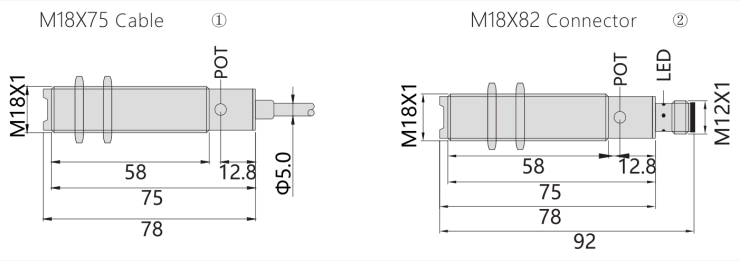
| Output Type | ① | ② | ③ |
|---|---|---|---|
| N.O N.C | BFRP-M18-A14I300-PC2<br>SKU 10104860 | BFRM-M18-A14I300-PC2<br>SKU 10104862 | BFRP-M18-A14I300-S124<br>SKU 10104864 |
| N.C | BFRP-M18-A24I300-PC2<br>SKU 10104861 | BFRM-M18-A24I300-PC2<br>SKU 10104863 | BFRP-M18-A24I300-S124<br>SKU 10104865 |

## TECHNICAL DATA

| | |
|---|---|
| Exterior structure | M18*1mm |
| Sensing distance | 0.1...3m |
| Detection type | Retro-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 | <10cm |
| Sensitivity adjustment | Single-turn potentiometer |
| Light immunity | <5000Lux |
| Ambient temperature | -25...55°C |

| | |
|---|---|
| Ambient humidity | 35...85% |
| Housing material | ①: PBT<br>②: Brass, nickel-plated<br>③: PBT |
| Ingress protection | IP66 |
| Lens material | PMMA |
| Operation indicator | Yellow |
| Connection | ①: 2m PVC Cable, 3*0.35mm²<br>②: 2m PVC Cable, 3*0.35mm²<br>③: M12Connector |
| Accessories | ①: FPHL-08<br>②: FPHL-08<br>③: M12 4 pin cable with connector/FPHL-08 |

## DIMENSIONAL DRAWINGS




*All dimensions in mm.*