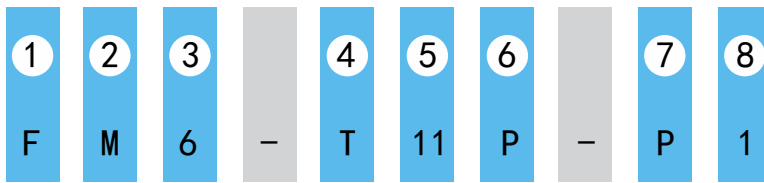


Selection Guide



1 Type
F Photoelectric sensor

2 Shape
M Threaded barrel

3 Dimension
3 External diameter 3mm
4 External diameter 4mm
6 External diameter 6mm
.....

4 Sensing mode
T Diffuse
R Retro-reflective
L Through-beam
F Optical Fiber Amplifier
H Background Suppression
.....

5 Core diameter
1 1mm
2 2mm
11 1.0mm*2
14 1.0mm/0.25mm
22 0.5mm*2
24 0.5mm/0.25mm
.....

6 Housing material
P Plastic rectangular housing

7 Cable material
P Plastic rectangular
F PTFE

8 Cable length
1 1m
.....

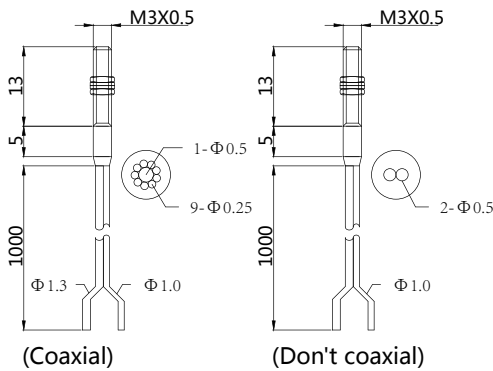


Features:

- Precision、Stabilization;
- Stainless steel housing;
- Performance optimization;
- Compact structure;
- Internal short-circuit protection、Over load protection and polarity protection



Dimensioned drawing

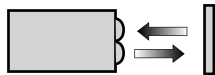


Model No.

Sensing range	Sn: 50 mm
Housing material	Stainless steel housing
Type	FM3-C24P-P1 FM3-T22P-P1

Background suppression

Diffuse type sensors



Diffuse reflection type photoelectric sensor principle and the principle of mirror reflection type photoelectric sensor is the same, but it doesn't take reflective lenses. The light emitted by the transmitter directly sending back receiver by the analyte. Receiver estimate detection of objects reflected back to the light rays, the positioning of objects is not very strict. When object under test enter into effective light rays area, output state changes. The detection range depends on object under test size, shape, color and surface properties.

Technical data

Housing	Stainless steel	Stainless steel
Line body	PVC	PVC
Imports of plastic optical fiber	Φ0.5mm*1/Φ0.25mm*9	Φ0.5mm*2
Plastic optical fiber diameter	Φ1.0mm*1+Φ1.3mm*1	Φ1.0mm*1
Plastic optical fiber length	1mm	1m
Accessories	NO	NO

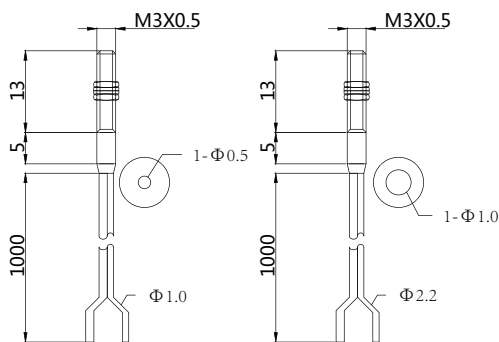


Features:

- Precision、Stabilization;
- Stainless steel housing;
- Performance optimization;
- Compact structure;
- Internal short-circuit protection、Over load protection and polarity protection



Dimensioned drawing



Model No.

Sensing range	Sn: 200 mm	Sn: 400 mm
Housing material	Stainless steel housing	Stainless steel housing
Type	FM3-L1P-P1	FM3-L2P-P1

Background suppression

Through-beam sensors



Through-beam photoelectric sensors has independent transmitters and receivers, structure two are separated from each other, the emitter(E) directly transmitted to the receiver(R). At the time of installation, must be both aligned establish light path. No matter any object blocking the light, the voltage of the receiver drops, switch changes.

Technical data

Housing	Stainless steel	Stainless steel
Line body	PVC	PVC
Imports of plastic optical fiber	Φ0.5mm	Φ1.0mm
Plastic optical fiber diameter	Φ1.0mm*1	Φ2.2mm*1
Plastic optical fiber length	1mm	1m
Accessories	NO	NO

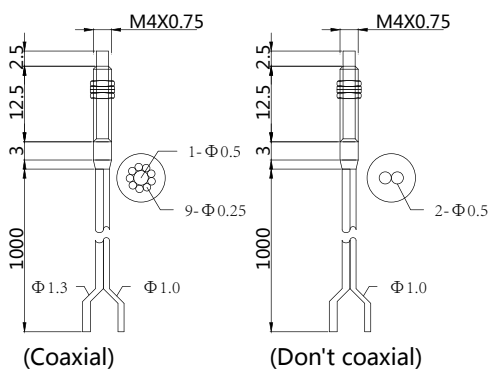


Features:

- Precision、Stabilization;
- Stainless steel housing;
- Performance optimization;
- Compact structure;
- Internal short-circuit protection、Over load protection and polarity protection



Dimensioned drawing

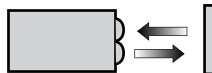


Model No.

Sensing range	Sn: 50 mm	
Housing material	Stainless steel housing	
Type	FM4-C24P-P1	FM4-T22P-P1

Background suppression

Diffuse type sensors



Diffuse reflection type photoelectric sensor principle and the principle of mirror reflection type photoelectric sensor is the same, but it doesn't take reflective lenses. The light emitted by the transmitter directly sending back receiver by the analyte. Receiver estimate detection of objects reflected back to the light rays, the positioning of objects is not very strict. When object under test enter into effective light rays area, output state changes. The detection range depends on object under test size, shape, color and surface properties.

Technical data

	Stainless steel	Stainless steel
Housing	Stainless steel	Stainless steel
Line body	PVC	PVC
Imports of plastic optical fiber	Φ0.5mm*1/Φ0.25mm*9	Φ0.5mm*2
Plastic optical fiber diameter	Φ1.0mm*1+Φ1.3mm*1	Φ1.0mm*1
Plastic optical fiber length	1mm	1m
Accessories	NO	NO

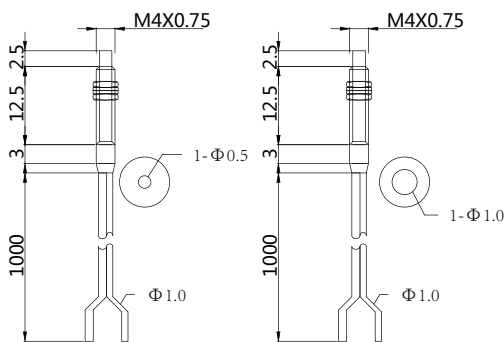


Features:

- Precision, Stabilization;
- Stainless steel housing;
- Performance optimization;
- Compact structure;
- Internal short-circuit protection, Over load protection and polarity protection



Dimensioned drawing



Model No.

Sensing range	Sn: 200 mm	Sn: 400 mm
Housing material	Stainless steel housing	Stainless steel housing
Type	FM4-L1P-P1	FM4-L2P-P1

Background suppression

Through-beam sensors



Through-beam photoelectric sensors have independent transmitters and receivers, structure two are separated from each other, the emitter (E) directly transmitted to the receiver (R). At the time of installation, must be both aligned establish light path. No matter any object blocking the light, the voltage of the receiver drops, switch changes.

Technical data

Housing	Stainless steel	Stainless steel
Line body	PVC	PVC
Imports of plastic optical fiber	Φ0.5mm	Φ1.0mm
Plastic optical fiber diameter	Φ1.0mm*1	Φ2.2mm*1
Plastic optical fiber length	1mm	1m
Accessories	NO	NO

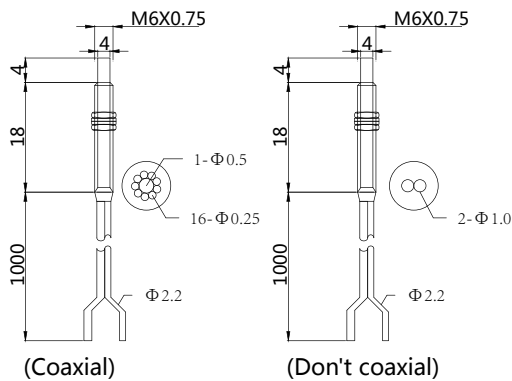


Features:

- Precision、Stabilization;
- Stainless steel housing;
- Performance optimization;
- Compact structure;
- Internal short-circuit protection、Over load protection and polarity protection



Dimensioned drawing

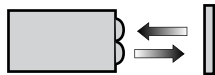


Model No.

Sensing range	Sn: 100 mm	
Housing material	Stainless steel housing	
Type	FM6-C14P-P1	FM6-T11P-P1

Background suppression

Diffuse type sensors



Diffuse reflection type photoelectric sensor principle and the principle of mirror reflection type photoelectric sensor is the same, but it doesn't take reflective lenses. The light emitted by the transmitter directly sending back receiver by the analyte. Receiver estimate detection of objects reflected back to the light rays, the positioning of objects is not very strict. When object under test enter into effective light rays area, output state changes. The detection range depends on object under test size, shape, color and surface properties.

Technical data

	Stainless steel	Stainless steel
Housing	Stainless steel	Stainless steel
Line body	PVC	PVC
Imports of plastic optical fiber	Φ1.0mm*1/Φ0.25mm*16	Φ1.0mm*2
Plastic optical fiber diameter	Φ2.2mm*2	Φ2.2mm*2
Plastic optical fiber length	1mm	1m
Accessories	NO	NO

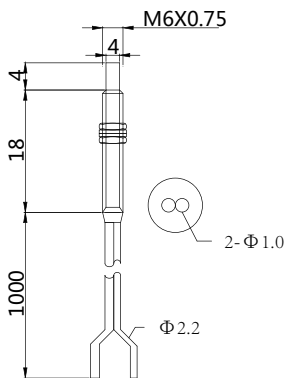


Features:

- Precision, Stabilization;
- Stainless steel housing;
- Performance optimization;
- Compact structure;
- Internal short-circuit protection, Over load protection and polarity protection



Dimensioned drawing



Model No.

Sensing range	Sn: 400 mm
Housing material	Stainless steel housing
Type	FM6-L2P-P1

Background suppression

Through-beam sensors



Through-beam photoelectric sensors have independent transmitters and receivers, structure two are separated from each other, the emitter (E) directly transmitted to the receiver (R). At the time of installation, must be both aligned establish light path. No matter any object blocking the light, the voltage of the receiver drops, switch changes.

Technical data

Housing	Stainless steel
Line body	PVC
Imports of plastic optical fiber	Φ1.0mm
Plastic optical fiber diameter	Φ2.2mm
Plastic optical fiber length	1mm
Accessories	NO