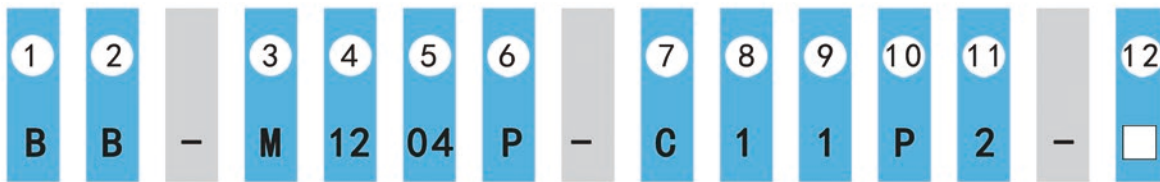


Selection Guide



**1** Type

- B Inductive
- C Capacitive
- BA Analog
- BF Metalface
- BH High Temperature
- BL Low Temperature

**2** Mounting

- B Flush/Quasi-flush
- N Non-flush

**3** Shape

- M Threaded barrel
- H Smooth barrel
- Q Square housing

**4** Dimension

- φ3
- M4
- M5
- φ6.5
- M8
- M12
- M18
- M30

.....

**5** Sensing range(mm)

- 0.6 0.6mm
- 02 2mm
- 20 20mm

.....

**6** Output Function

- P PNP 3/4 Wire
- N NPN 3/4 Wire
- C DC 2 Wire
- A AC 2 Wire
- U AC/DC 2 Wire
- NA Namur

**7** Housing material

- C Brass,nickel-plated
- V Stainless steel housing
- P Plastic rectangular housing
- F PTFE

**8** Output mode

- 1 N.O.
- 2 N.C.
- 3 N.O./N.C.
- I Current output
- V Voltage output
- M Current/Voltage

**9** Operating voltage

- 0 DC6-12V
- 1 DC10-30V
- 2 DC18-30V
- 3 DC10-60V
- 4 AC20-250V
- 5 AC/DC20-250V

**10** Connection

- P PVC cable
- U PUR cable
- F PTFE cable
- S8 M8 connector
- S12 M12 connector
- Z8 6\*pigtail with M8 connector
- Z12 6\*pigtail with M12 connector
- T Terminal

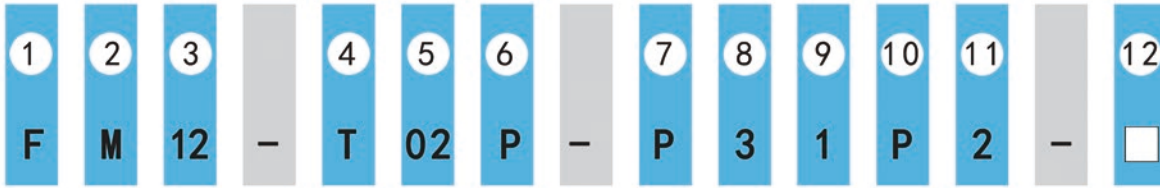
**11** Cable length

- 2 2M
- 3 3M
- 5 5M

.....

**12** Others

Selection Guide



**1** Type

F Photoelectric sensor

**2** Shape

M Threaded barrel  
Q Square housing  
G Forked housing

**3** Dimension

12  
18  
30  
40  
.....

**4** Sensing mode

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

**5** Sensing range(mm)

02 200mm  
05 500mm  
15 15 m  
.....

**6** Electrical design

P PNP  
N NPN  
D PNP/NPN  
A AC  
U AC/DC

**7** Housing material

C Nickel plated brass  
V Stainless steel  
P Plastic  
F PTFE

**8** Output mode

1 Light On  
2 Dark On  
3 Dark On/Light On  
4 SPDT relay  
5 Emitter

**9** Operating voltag

1 DC 10-30V  
2 DC 18-30V  
3 DC 10-60V  
4 AC 24-240V  
5 24-240VAC/12-240VDC

**10** Connection

P PVC cable  
U PUR cable  
F PTFE cable  
S8 M8 connector  
S12 M12 connector  
Z8 M8 connector(pigtail type)  
Z12 M12 connector(pigtail type)  
T Terminal

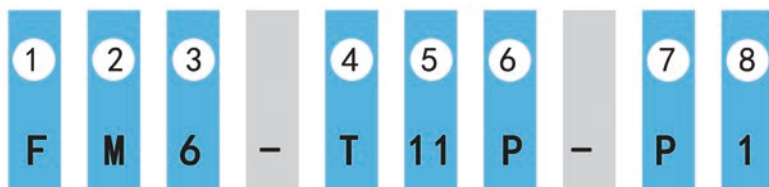
**11** Cable length

2 2meter  
3 3meter  
5 5meter  
.....

**12** Others

F With polarizing filter  
D With time delay  
.....

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
- C Coaxial diffuse
- L Through-beam

.....

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

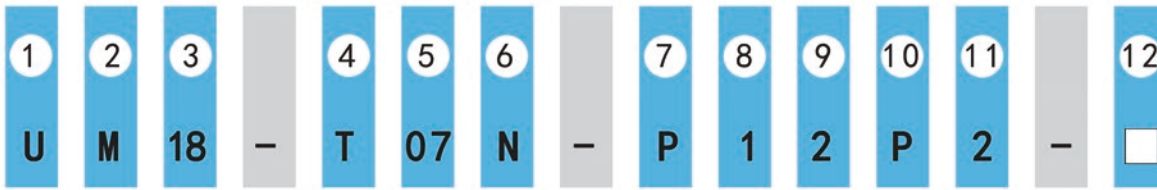
- P Plastic rectangular
- F PTFE

8 Cable length

1 1m

.....

Selection Guide



**1** Type

U Ultrasonic sensor

**2** Shape

M Threaded barrel  
Q Rectangular,plastics

**3** Dimension

12  
18  
30  
40  
.....

**4** Sensing mode

T Diffuse  
L Through-beam  
.....

**5** sensing range(mm)

015 150mm  
035 350mm  
07 700mm  
.....

**6** Electrical design

P PNP  
N NPN  
I Current output 0-20mA  
V1 Voltage output 0-5VDC  
V2 Voltage output 0-10VDC  
M Current/Voltage  
0-20MA/0-10VDC

**7** Housing material

C Nickel-plated brass  
P Plastic(PBT etc.)

**8** Output mode

1 N.O.  
2 N.C.

**9** Operating voltag

1 DC 10-30V  
2 DC 18-30V  
3 DC 10-60V

**10** Connection

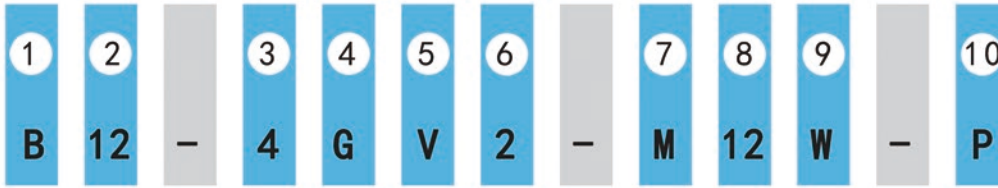
P PVC cable  
U PUR cable  
S8 M8 connector  
S12 M12 connector

**11** Cable length

2 2meter  
3 3meter  
5 5meter  
.....

**12** Others

Selection Guide



**1 Type**  
 B Male  
 M Female

**2 Dimension**  
 12 M12 Connector  
 8 M8 Connector

**3 Needle numbers**  
 3 3 Pin  
 4 4 Pin  
 5 5 Pin

**4 Type**  
 G Straight head  
 W Angle head

**5 Connection**  
 V PVC Cable  
 U PUR Cable  
 F PTFE Cable  
 T Terminal

**6 Cable length**  
 2 2m  
 5 5m  
 10 10m

**7 Output mode**  
 B Male  
 M Female

**8 Connection**  
 12 M12 Connector  
 8 M8 Connector

**9 Output type**  
 G Straight head  
 M Angle head

**10 Output mode**  
 P PNP LED light display  
 N NPN LED light display

General Information

Inductive Sensors

Capacitive Sensors

Photoelectric Sensors

Ultrasonic Sensors

Connectors

Accessories

Index of Types