

AC INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

No Load Current

Max. Load Current

Leakage Current

Surge Current

Min. Load Current

Voltage Drop

Switching Frequency

Response Time

Switching Hysteresis

Repeat Accuracy

Protection Category

Operating Temperature

Temperature Drift

Short Circuit Protection

Material Active Face

DC 3 wire 10-30V NPN N.O.

DC 3 wire 10-30V NPN N.C.

DC 3 wire 10-30V PNP N.O.

DC 3 wire 10-30V PNP N.C.

DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V N.C.

DC 3 wire 10-55V NPN N.O.

DC 3 wire 10-55V NPN N.C.

DC 3 wire 10-55V PNP N.O.

DC 3 wire 10-55V PNP N.C.

AC 2 wire 20-250V N.O.

AC 2 wire 20-250V N.C.

AC 2 wire 20-250V N.O. or N.C. Changeable

AC/DC 2 wire 20-250V N.O.

AC/DC 2 wire 20-250V N.C.

AC/DC 2 wire 20-250V N.O. or N.C. Changeable

Dimensions (unit: mm)

Cable 2M (PVC)

Weight

M12

●

○

2 mm

4 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC

<1.8mA

400mA

<1.8mA

5A(20ms)

5mA

<8VAC AT 400mA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

NO

POM

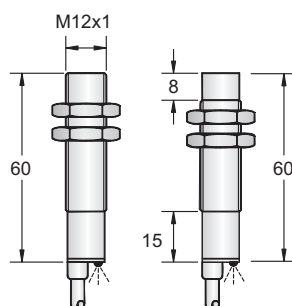
PBT

P7C1B1202AO3B2 11

P7C1B1202AC3B2 12

P7C2B1204AO3B2

P7C2B1204AC3B2



4.0 ϕ 3x0.34

Approx.77 g

Approx.76 g

M12

●

○

2 mm

4 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC

<1.8mA

400mA

<1.8mA

5A(20ms)

5mA

<8VAC AT 400mA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

NO

POM

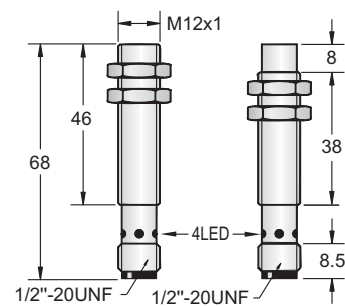
PBT

P7C1B1202AOMB3 51

P7C1B1202ACMB3 51

P7C2B1204AOMB3

P7C2B1204ACMB3



Approx.31 g

Approx.30 g

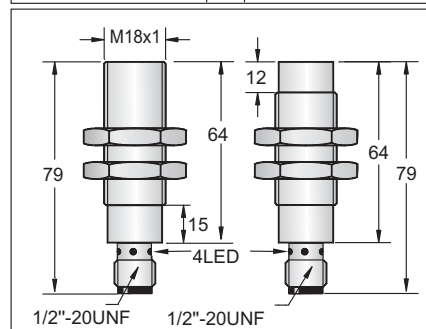
AC INDUCTIVE PROXIMITY SENSORS

M18	
	
5 mm	8 mm
Stainless steel or Nickel plated brass	
	



20-250VAC
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
PRT

P7C1B1805AOMB3	51	P7C2B1808AOMB3
P7C1B1805ACMB3	51	P7C2B1808ACMB3



Approx.84 g	Approx.80 g
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AC INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

No Load Current

Max. Load Current

Leakage Current

Surge Current

Min. Load Current

Voltage Drop

Switching Frequency

Response Time

Switching Hysteresis

Repeat Accuracy

Protection Category

Operating Temperature

Temperature Drift

Short Circuit Protection

Material Active Face

DC 3 wire 10-30V NPN N.O.

DC 3 wire 10-30V NPN N.C.

DC 3 wire 10-30V PNP N.O.

DC 3 wire 10-30V PNP N.C.

DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V N.C.

DC 3 wire 10-55V NPN N.O.

DC 3 wire 10-55V NPN N.C.

DC 3 wire 10-55V PNP N.O.

DC 3 wire 10-55V PNP N.C.

AC 2 wire 20-250V N.O.

AC 2 wire 20-250V N.C.

AC 2 wire 20-250V N.O. or N.C. Changeable

AC/DC 2 wire 20-250V N.O.

AC/DC 2 wire 20-250V N.C.

AC/DC 2 wire 20-250V N.O. or N.C. Changeable

Dimensions (unit: mm)

Cable 2M (PVC)

Weight

M18

●

○

5 mm

8 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC

<1.8mA

400mA

<1.8mA

5A(20ms)

5mA

<8VAC AT 400MA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

NO

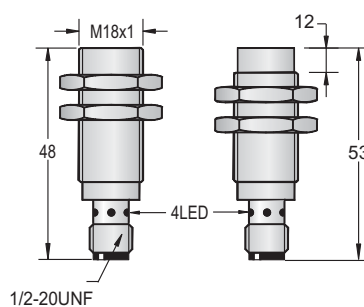
PBT

P7C1B1805AOMS3 51

P7C1B1805ACMS3 51

P7C2B1808AOMS3

P7C2B1808ACMS3



Approx.50 g

Approx.54 g

M18

●

○

5 mm

8 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC

<1.8mA

400mA

<1.8mA

5A(20ms)

5mA

<8VAC AT 400MA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

NO

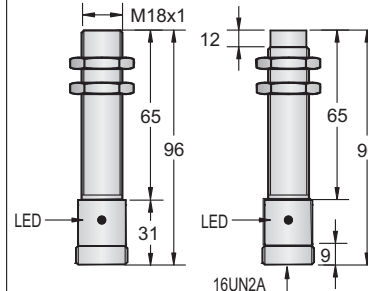
PBT

P7C1B1805AOZB3 55

P7C1B1805ACZB3 55

P7C2B1808AOZB3

P7C2B1808ACZB3



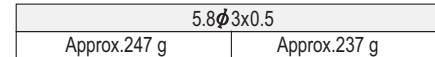
Approx.94 g

Approx.91 g

AC INDUCTIVE PROXIMITY SENSORS

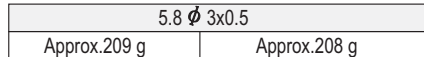


P7C1B3010A03B2	11	P7C2B3015A03B2
P7C1B3010AC3B2	12	P7C2B3015AC3B2



CE

P7C1B3010A03S2	11	P7C2B3015A03S2
P7C1B3010AC3S2	12	P7C2B3015AC3S2



Two stainless steel push buttons are shown. Each button has a cylindrical body with a hexagonal nut-like section in the middle. The top part is a flat, circular push surface. The bottom part has a threaded section. The text "1/2\" NPT" is visible on the side of each button. A CE mark is located in the bottom right corner of the image.

P7C1B3010AOMB3	51	P7C2B3015AOMB3
P7C1B3010ACMB3	51	P7C2B3015ACMB3



AC INDUCTIVE PROXIMITY SWITCH

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

No Load Current

Max. Load Current

Leakage Current

Surge Current

Min. Load Current

Voltage Drop

Switching Frequency

Response Time

Switching Hysteresis

Repeat Accuracy

Protection Category

Operating Temperature

Temperature Drift

Short Circuit Protection

Material Active Face

DC 3 wire 10-30V NPN N.O.

DC 3 wire 10-30V NPN N.C.

DC 3 wire 10-30V PNP N.O.

DC 3 wire 10-30V PNP N.C.

DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V N.C.

DC 3 wire 10-55V NPN N.O.

DC 3 wire 10-55V NPN N.C.

DC 3 wire 10-55V PNP N.O.

DC 3 wire 10-55V PNP N.C.

AC 2 wire 20-250V N.O.

AC 2 wire 20-250V N.C.

AC 2 wire 20-250V N.O. or N.C. Changeable

AC/DC 2 wire 20-250V N.O.

AC/DC 2 wire 20-250V N.C.

AC/DC 2 wire 20-250V N.O. or N.C. Changeable

Dimensions (unit: mm)

Cable 2M (PVC)

Weight

M30

●

○

10 mm

15 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC

<1.8mA

400mA

<1.8mA

5A(20ms)

5mA

<8VAC at 400MA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

NO

PBT

P7C1B3010AOMS3 51

P7C2B3015AOMS3

P7C1B3010ACMS3 51

P7C2B3015ACMS3

M30

●

○

10 mm

15 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC

<1.8mA

400mA

<1.8mA

5A(20ms)

5mA

<8VAC AT 200MA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

NO

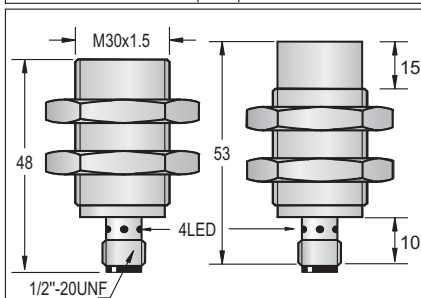
PBT

P7C1B3010AOZB3 55

P7C2B3015AOZB3

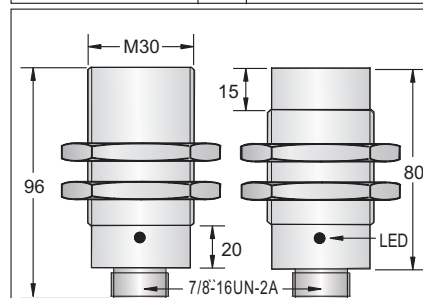
P7C1B3010ACZB3 55

P7C2B3015ACZB3



Approx.117 g

Approx.127 g



Approx.230 g

Approx.225 g

AC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

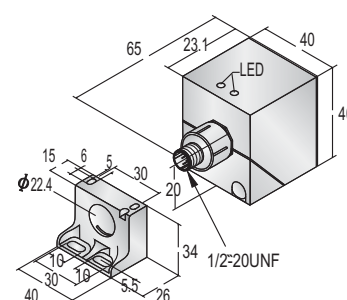
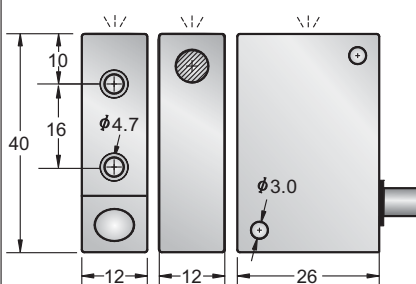
Q40s
●
15 mm
PBT RESIN
●



CE

20-250VAC
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
-
PBT

P7S1P4015AOMS3	52
P7S1P4015ACMS3	52



Approx.170 g

AC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABL SENSING HEAD

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

No Load Current

Max. Load Current

Leakage Current

Surge Current

Min. Load Current

Voltage Drop

Switching Frequency

Response Time

Switching Hysteresis

Repeat Accuracy

Protection Category

Operating Temperature

Temperature Drift

Short Circuit Protection

Material Active Face

DC 3 wire 10-30V NPN N.O.

DC 3 wire 10-30V NPN N.C.

DC 3 wire 10-30V PNP N.O.

DC 3 wire 10-30V PNP N.C.

DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V N.C.

DC 3 wire 10-55V NPN N.O.

DC 3 wire 10-55V NPN N.C.

DC 3 wire 10-55V PNP N.O.

DC 3 wire 10-55V PNP N.C.

AC 2 wire 20-250V N.O.

AC 2 wire 20-250V N.C.

AC 2 wire 20-250V N.O. or N.C. Changeable

AC/DC 2 wire 20-250V N.O.

AC/DC 2 wire 20-250V N.C.

AC/DC 2 wire 20-250V N.O. or N.C. Changeable

Dimensions (unit: mm)

Cable 2M (PVC)

Weight

Q40s

○

30 mm

PBT RESIN

●



CE

Q40s

●

15 mm

PBT RESIN

●



CE

20-250VAC

<2.5mA

400mA

2.5mA

5A(20ms)

5mA

<8VAC AT 400MA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

-

PBT

P7S2P4030AOMS3

52

P7S2P4030ACMS3

52

20-250VAC

<2.5mA

400mA

2.5mA

5A(20ms)

5mA

<8VAC AT 400MA

<25HZ

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

-

PBT

P7S1P4015AOZS2

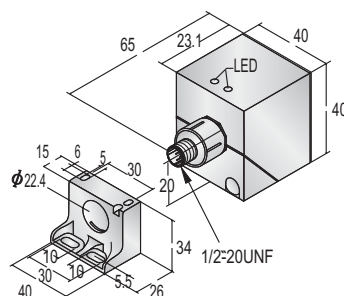
56

P7S1P4015ACZS2

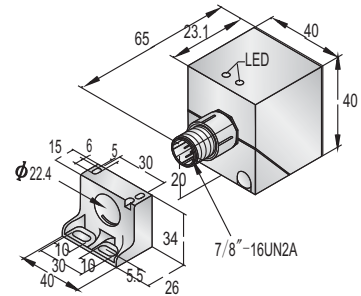
56

P7S1P4015AAZS4

42



Approx.170 g



Approx.170 g

AC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABLE SENSING HEAD

Q40

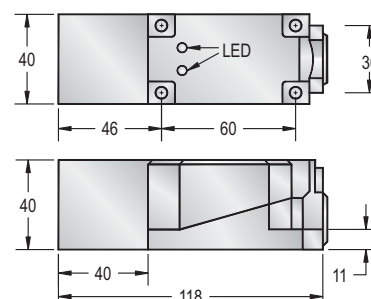
20 mm
PBT RESIN




CE

20-250VAC
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
-
PBT

P7S2P4020AO2B	9
P7S2P4020AC2B	10
P7S2P4020AA4B	21



Approx.262 g

AC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABLE SENSING HEAD

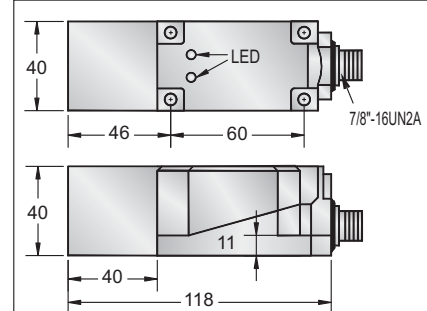
Q40
●
15 mm
PBT RESIN
●



CE

20-250VAC
<2.5mA
400mA
2.5mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
PBT

P7S1P4015A0ZB2	56
P7S1P4015ACZB2	56
P7S1P4015AAZB4	42



Approx.295 g

