

AC/DC 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

M30

●

○

10 mm

15 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC / 20-250VDC

<2.5mA

200mA

<2.5mA

2.2A for 20ms

5mA

<10VAC; 8VDC

25HZ AC;40HZ DC

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

Yes

PBT

P8C1B3010U03A2

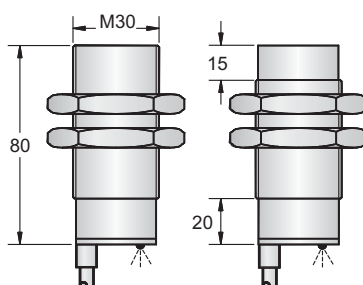
15

P8C2B3015U03A2

P8C1B3010UC3A2

16

P8C2B3015UC3A2



5.8 ϕ 3x0.5

Approx.247 g

Approx.237 g

M30

●

○

10 mm

15 mm

Stainless steel or Nickel plated brass

●



CE

20-250VAC / 20-250VDC

<2.5mA

200mA

<2.5mA

2.2A for 20ms

5mA

<10VAC; 8VDC

25HZ AC;40HZ DC

10ms/10ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

Yes

PBT

P8C1B3010U03S2

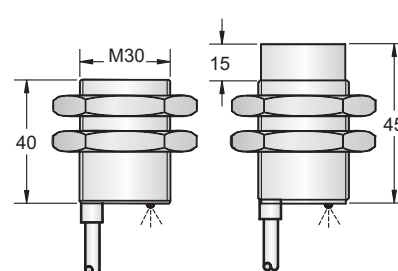
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P8C2B3015U03S2

P8C1B3010UC3S2

16

P8C2B3015UC3S2



5.8 ϕ 3x0.5

Approx.209 g

Approx.208 g

NAMUR INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Operating Voltage
Ripple
No Load Current
Response Time
Switching Frequency
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
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.
NAMUR
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)
Weight

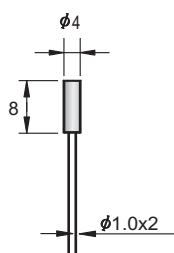
Ø 4

0.6 mm
Stainless steel




CE

6-12VDC
-
>2.2mA(OFF) <1.1mA(ON)
2KHZ
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25 °C - +70 °C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

[illegible]

1.0 ϕ 1.0x2 1m cable
Approx.11 g

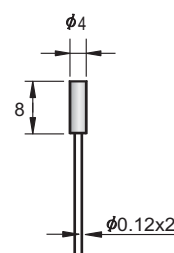
$\phi 4$

0.8 mm
Stainless steel




CE

6-12VDC
-
>2.2mA(OFF) <1.1mA(ON)
2KHZ
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25 °C - +70 °C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

[illegible]

1.0 ϕ 1.0x2 1m cable
Approx.11 g