

ANALOG INDUCTIVE CURRENT OUTPUT ANALOG SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Supply Voltage
Max. Ripple
No Load Current
Output Voltage/Load Resistor
Output Current/Load Resistor
Linearity
Repeat Accuracy
Ambient Temperature
Temperature Drift
Short Circuit Protection
Reverse Polarity Protection
Protection Degree
Output Signal
Switch Frequency Max.
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

Characteristics

Inductive Voltage Output
Inductive Current Output
Inductive Voltage & Current output

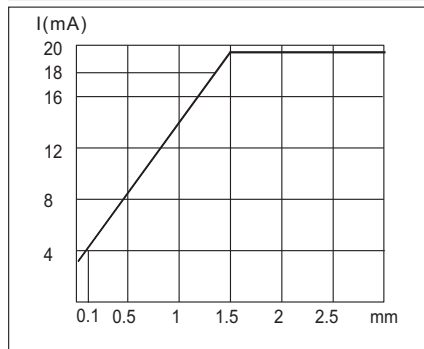
Dimensions (Unit: mm)

Cable 2M (PVC)
Weight

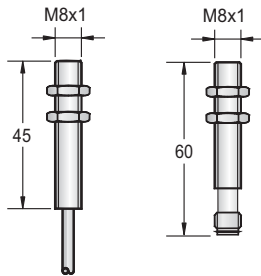
M8
●
0.1-1.5mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
-
4-20mA/400 Ω Max.
<5%
0.02mm
-25 °C - +70 °C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B081.5GI3A2
19
P5C1B081.5GIPA3

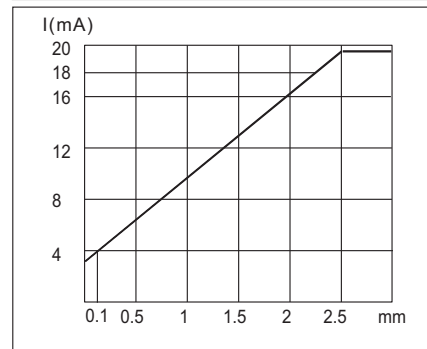


4φ 3x0.15
approx.40g
—
approx.15g

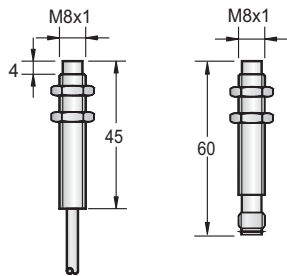
M8
○
0.1-2.5mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
-
4-20mA/400 Ω Max.
<5%
0.02mm
-25 °C - +70 °C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B082.5GI3A2
19
P5C2B082.5GIPA3



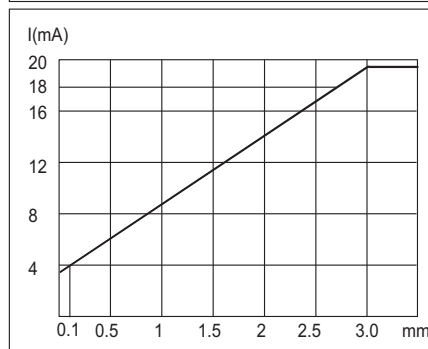
4φ 3x0.15
approx.40g
—
approx.15g

ANALOG INDUCTIVE CURRENT OUTPUT ANALOG SENSORS

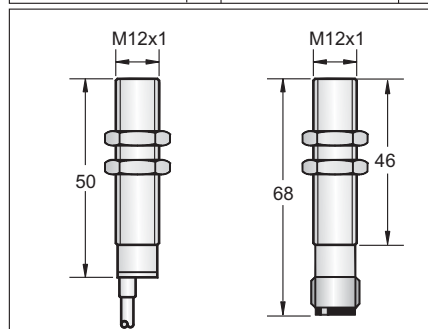
M12
●
0.1-3.0mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
-
4-20mA/400Ω Max.
<5%
0.02mm
-25 °C - +70 °C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B1203GI3A2	19	P5C1B1203GIEA4	40
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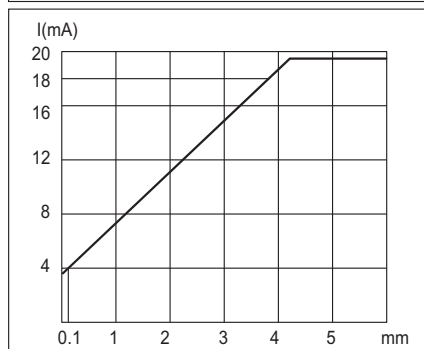


4φ3x0.15	-
approx.67g	approx.31g

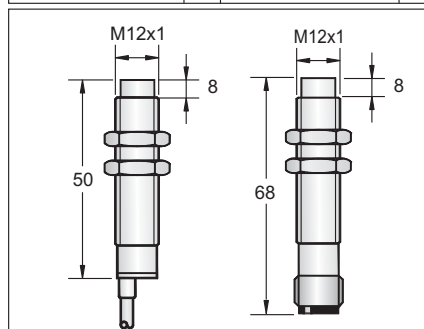
M12
●
0.1-4 mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
-
4-20mA/400Ω Max.
<5%
0.02mm
-25 °C ~ +70 °C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

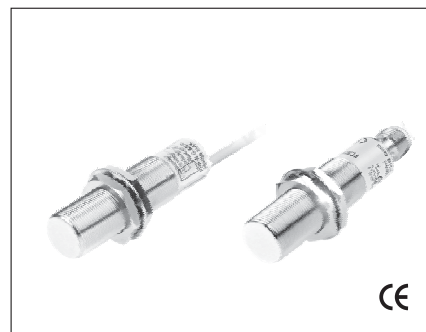


P5C2B1204GI3A2	19	P5C2B1204GIEA4	40
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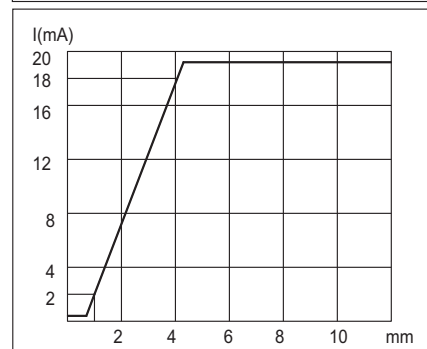


4φ3x0.15	-
approx.67g	approx.30g

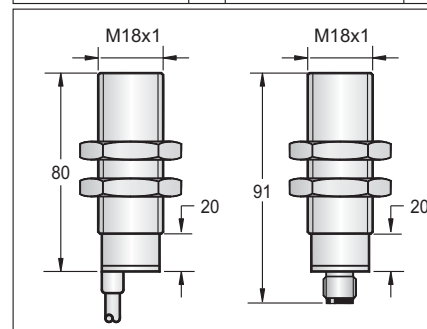
M18
●
1-4 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
-
0-20mA/200Ω Max.
<10%(Sr)
0.02mm
-25 °C ~ +70 °C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B1804GI3A2	19	P5C1B1804GIEA4	40
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5.8φ3x0.5	-
approx.142g	approx.69g

ANALOG INDUCTIVE CURRENT OUTPUT ANALOG SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Supply Voltage
Max. Ripple
No Load Current
Output Voltage/Load Resistor
Output Current/Load Resistor
Linearity
Repeat Accuracy
Ambient Temperature
Temperature Drift
Short Circuit Protection
Reverse Polarity Protection
Protection Degree
Output Signal
Switch Frequency Max.
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

Characteristics

Inductive Voltage Output
Inductive Current Output
Inductive Voltage & Current output

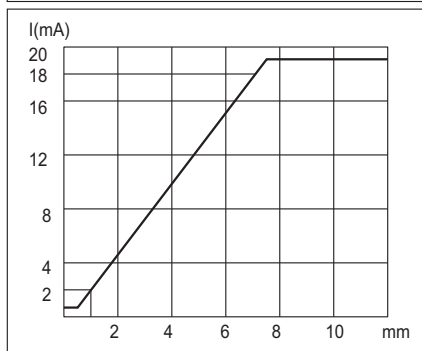
Dimensions (Unit: mm)

Cable 2M (PVC)
Weight

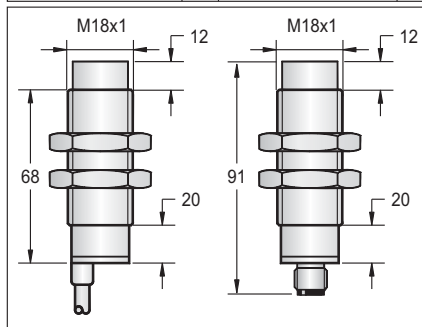
M18
○
1-7 mm
Nickel plated brass
○


CE

18-30VDC
<10%
15mA
-
0-20mA/200Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B1807GI3A2	19	P5C2B1807GIEA4	40
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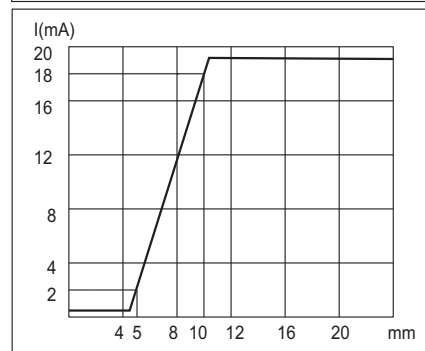


5.8φ3x0.5	—
approx.142g	approx.69g

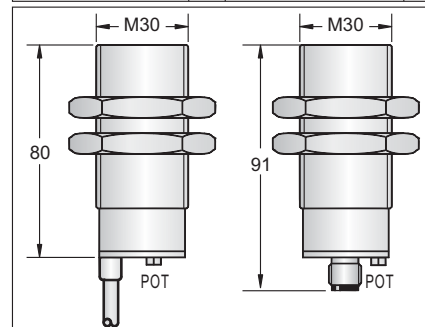
M30
●
5-10 mm
Nickel plated brass
○


CE

18-30VDC
<10%
15mA
-
0-20mA/200Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B3010GI3A2	19	P5C1B3010GIEA4	40
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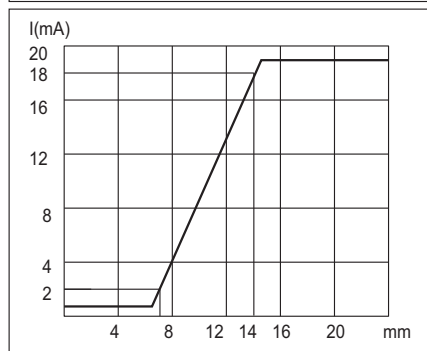
5.8φ3x0.5	—
approx.252g	approx.187g

ANALOG INDUCTIVE CURRENT OUTPUT ANALOG SENSORS

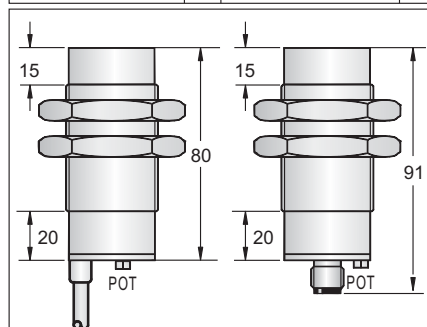
M 30
○
7-14 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
-
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B3014GI3A2	19	P5C2B3014GIEA4	40
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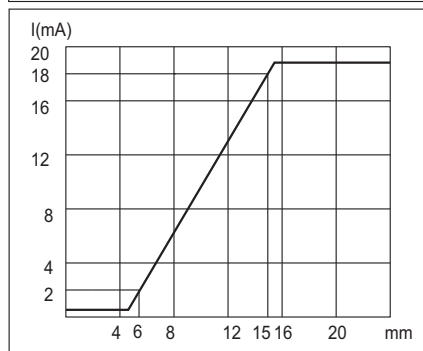


5.8φ 3x0.5	—
approx.252g	approx.187g

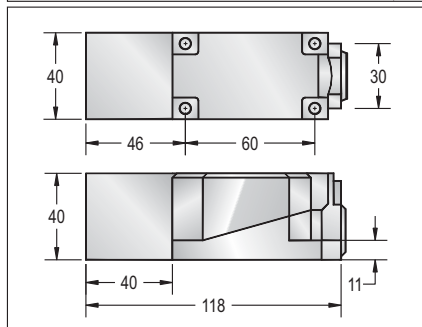
Q40
●
6-15mm
PBT
○



18-30VDC
<10%
15mA
-
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S1P4015GI3A	19
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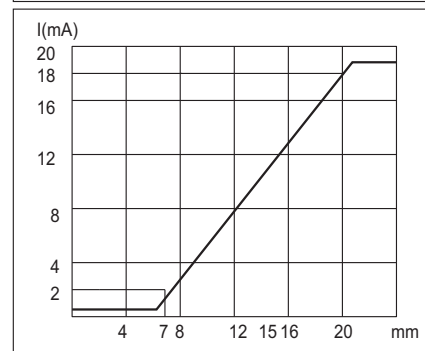


Approx.242 g

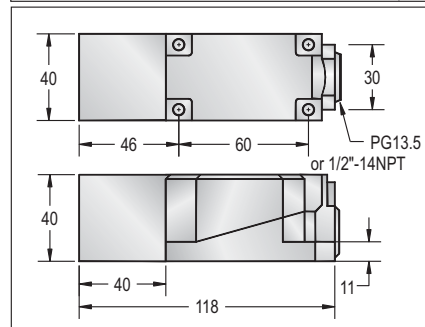
Q40
○
7-20mm
PBT
○



18-30VDC
<10%
15mA
-
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S2P4020GI3A	19
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Approx.242 g

ANALOG INDUCTIVE CURRENT OUTPUT ANALOG SENSORS

Diameter

● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Supply Voltage
Max. Ripple
No Load Current
Output Voltage/Load Resistor
Output Current/Load Resistor
Linearity
Repeat Accuracy
Ambient Temperature
Temperature Drift
Short Circuit Protection
Reverse Polarity Protection
Protection Degree
Output Signal
Switch Frequency Max.
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

Characteristics

Inductive Voltage Output
Inductive Current Output
Inductive Voltage & Current output

Dimensions (Unit: mm)

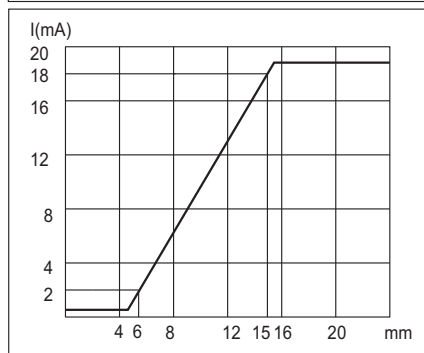
Cable 2M (PVC)
Weight

Q40

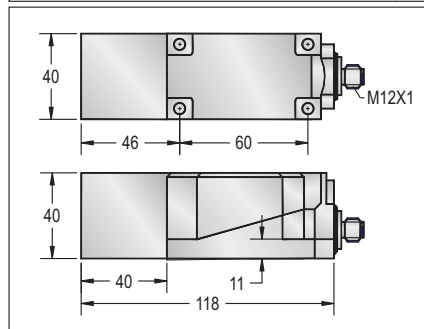
●
6-15mm
PBT
○


CE

18-30VDC
<10%
15mA
-
0-20mA/200Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S1P4015GIEA4
40



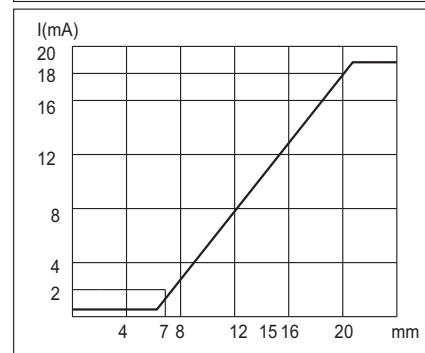
Approx.290 g

Q40

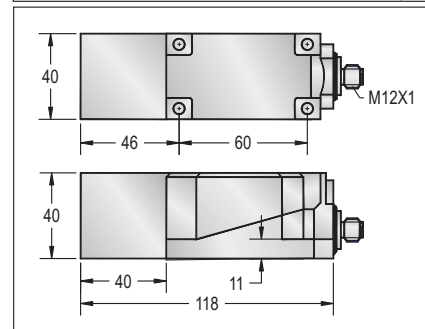
○
7-20mm
PBT
○


CE

18-30VDC
<10%
15mA
-
0-20mA/200Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



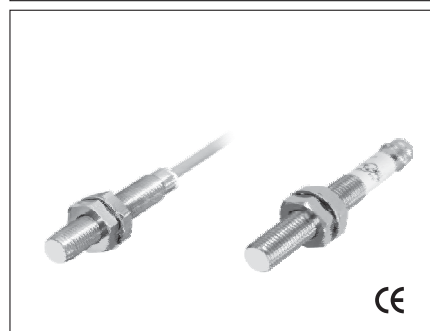
P5S2P4020GIEA4
40



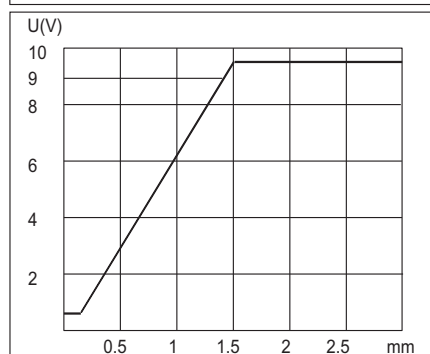
Approx.290 g

ANALOG INDUCTIVE VOLTAGE OUTPUT ANALOG SENSORS

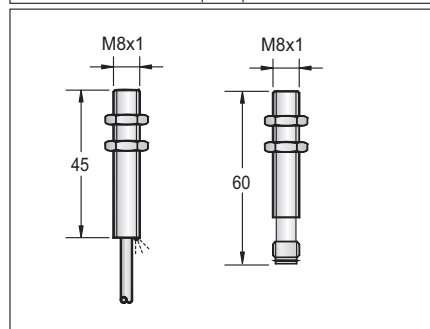
M8
●
0.1-1.5 mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
0-10VDC / $\geq 2K\Omega$
-
<5%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

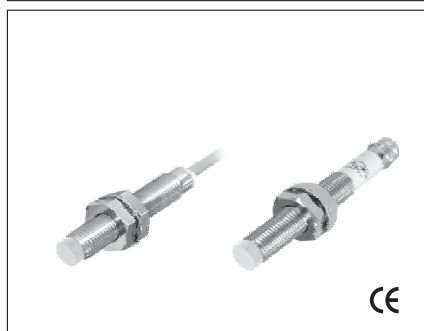


P5C1B081.5GV3A2	20	P5C1B081.5GVPA3

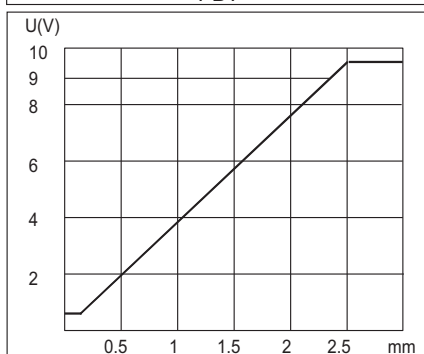


3 ϕ 3x0.15	—
Approx.40g	Approx.15g

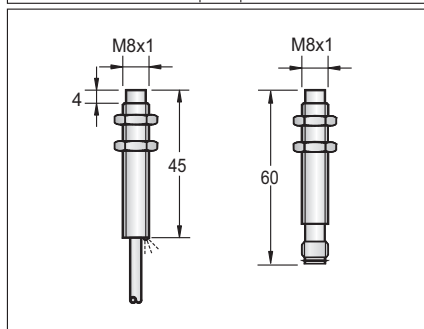
M8
○
0.1-2.5mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
0-10VDC / $\geq 2K\Omega$
-
<5%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B082.5GV3A2	20	P5C2B082.5GVPA3

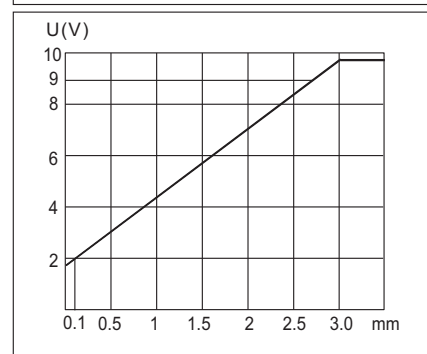


3 ϕ 3x0.15	—
Approx.40g	Approx.15g

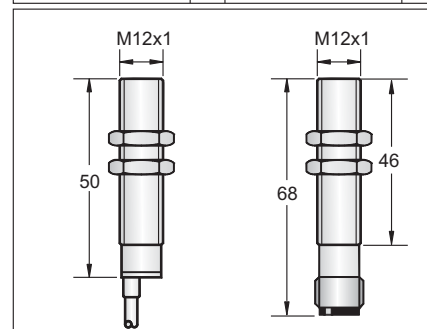
M12
●
0.1-3.0mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
0-10VDC / $\geq 2K\Omega$
-
<5%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B1203GV3A2	20	P5C1B1203GVEA4	39



4 ϕ 3x0.15	—
Approx.67g	Approx.31g

ANALOG INDUCTIVE VOLTAGE OUTPUT ANALOG SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Supply Voltage

Max. Ripple

No Load Current

Output Voltage/Load Resistor

Output Current/Load Resistor

Linearity

Repeat Accuracy

Ambient Temperature

Temperature Drift

Short Circuit Protection

Reverse Polarity Protection

Protection Degree

Output Signal

Switch Frequency Max.

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EMC

Shock / Vibration

Material Active Face

Characteristics

Inductive Voltage Output

Inductive Current Output

Inductive Voltage & Current output

Dimensions (Unit: mm)

Cable 2M (PVC)

Weight

M 12

○

1-4 mm

Nickel plated brass

○



CE

18-30VDC

<10%

<35mA

0-10VDC / $\geq 2K\Omega$

-

<5%(Sr)

0.02mm

-25°C ~ +70°C

5%(Sr)

-

YES

IP67

PNP-ANALOG

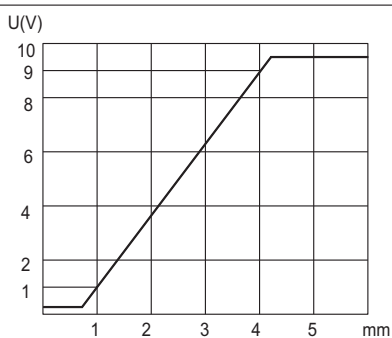
100Hz

-

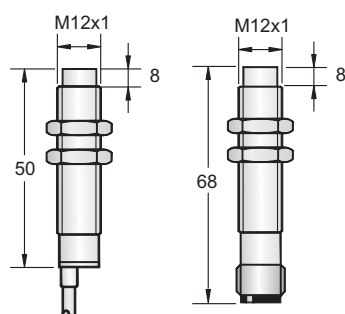
RFI>3V/m / EFT>1KV / ESD>4KV (contact)

IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

PBT



P5C2B1204GV3A2 20 P5C2B1204GVEA4 39



4 ϕ 3x0.15

approx.67g

—

approx.30g

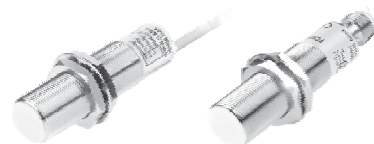
M 18

●

1-4 mm

Nickel plated brass

○



CE

18-30VDC

<10%

15mA

0-10VDC / $\geq 4.7K\Omega$

-

<10%(Sr)

0.02mm

-25°C ~ +70°C

5%(Sr)

-

YES

IP67

PNP-ANALOG

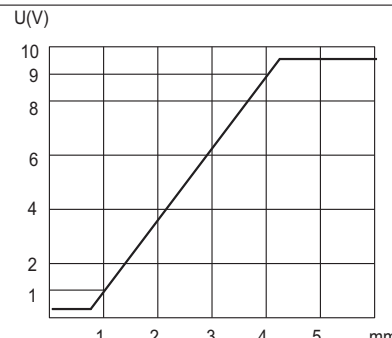
100Hz

-

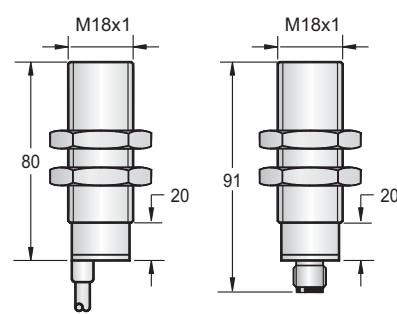
RFI>3V/m / EFT>1KV / ESD>4KV (contact)

IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

PBT



P5C1B1804GV3A2 20 P5C1B1804GVEA4 39



5.8 ϕ 3x0.15

approx.142g

—

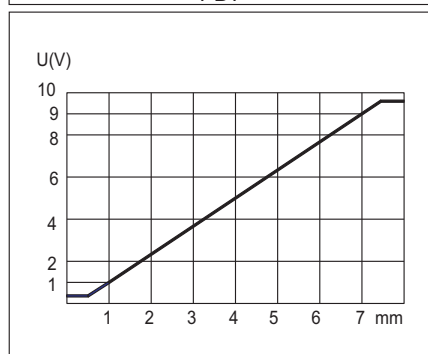
approx.69g

ANALOG INDUCTIVE VOLTAGE OUTPUT ANALOG SENSORS

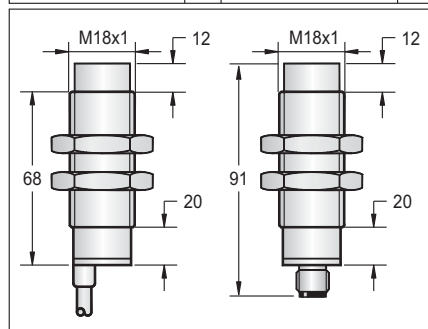
M18
○
1-7 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC / $\geq 4.7K\Omega$
-
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B1807GV3A2	20	P5C2B1807GVEA4	39
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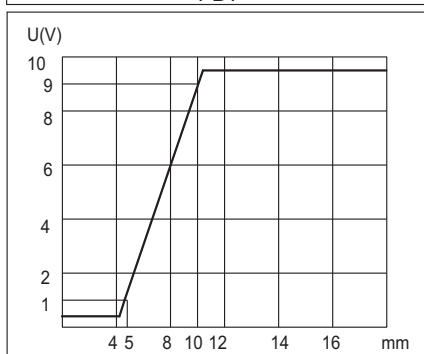


5.8 ϕ 3x0.15	—
approx.142g	approx.69g

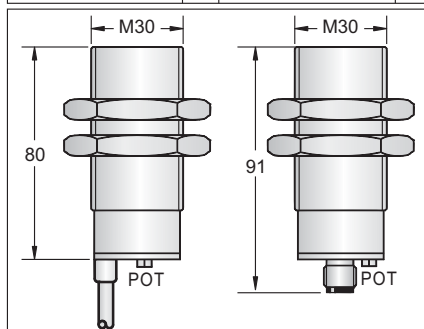
M30
●
5-10 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC / $\geq 4.7K\Omega$
-
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B3010GV3A2	20	P5C1B3010GVEA4	39
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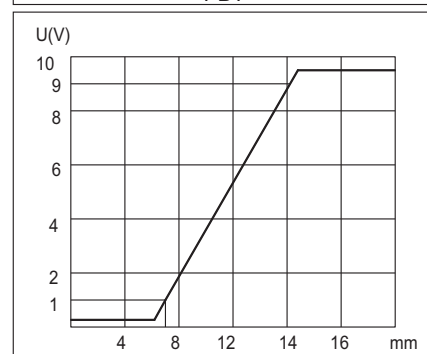


5.8 ϕ 3x0.5	—
approx.252g	approx.187g

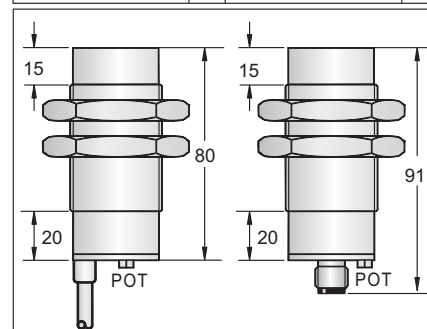
M30
○
7-14 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC / $\geq 4.7K\Omega$
-
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B3014GV3A2	20	P5C2B3014GVEA4	39
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5.8 ϕ 3x0.5	—
approx.252g	approx.187g

ANALOG INDUCTIVE VOLTAGE OUTPUT ANALOG SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Q40

●

6-15mm

PBT

○



CE

Q40

○

7-20mm

PBT

○



CE

Supply Voltage

Max. Ripple

No Load Current

Output Voltage/Load Resistor

Output Current/Load Resistor

Linearity

Repeat Accuracy

Ambient Temperature

Temperature Drift

Short Circuit Protection

Reverse Polarity Protection

Protection Degree

Output Signal

Switch Frequency Max.

Time Delay Before Availability

EMC

Shock / Vibration

Material Active Face

18-30VDC

<10%

15mA

0-10VDC / $\geq 4.7K\Omega$

-

<10%(Sr)

0.02mm

-25°C ~ +70°C

5%(Sr)

-

YES

IP67

PNP-ANALOG

100Hz

-

RFI>3V/m / EFT>1KV / ESD>4KV (contact)

IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

PBT

18-30VDC

<10%

15mA

0-10VDC / $\geq 4.7K\Omega$

-

<10%(Sr)

0.02mm

-25°C ~ +70°C

5%(Sr)

-

YES

IP67

PNP-ANALOG

100Hz

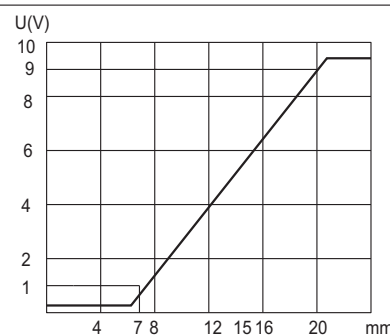
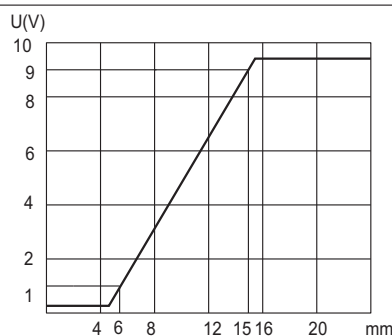
-

RFI>3V/m / EFT>1KV / ESD>4KV (contact)

IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2

PBT

Characteristics



Inductive Voltage Output

Inductive Current Output

Inductive Voltage & Current output

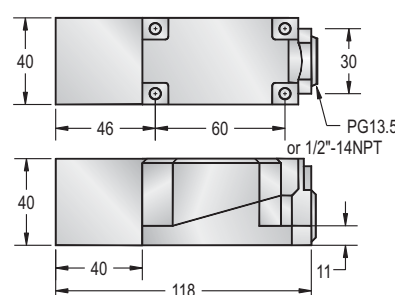
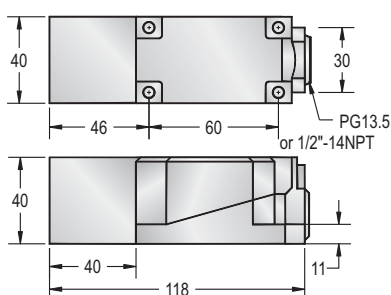
P5S1P4015GV3A

20

P5S2P4020GV3A

20

Dimensions (Unit: mm)



Cable 2M (PVC)

Weight

Approx.262 g

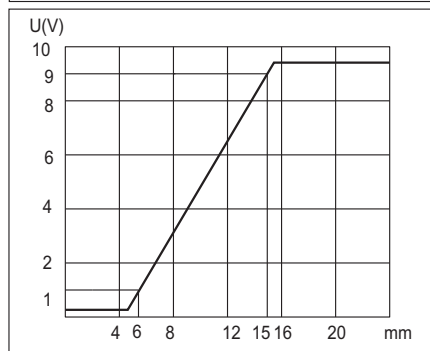
Approx.262 g

ANALOG INDUCTIVE VOLTAGE OUTPUT ANALOG SENSORS

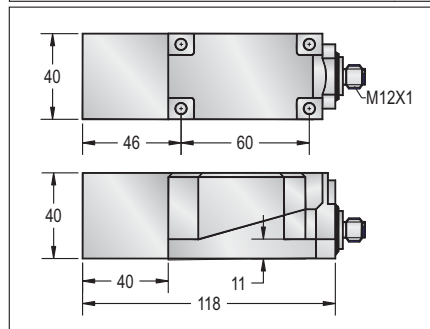
Q40
●
6-15mm
PBT
○



18-30VDC
<10%
15mA
0-10VDC / $\geq 4.7K\Omega$
-
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV(contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S1P4015GVEA4
39

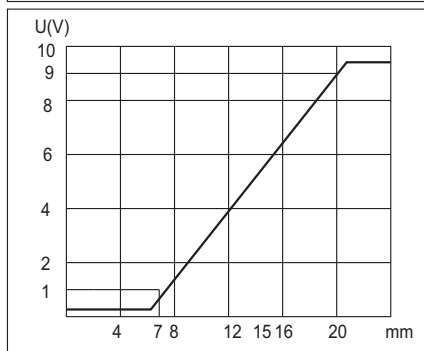


Approx.290 g

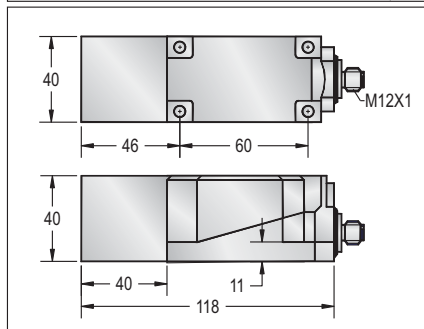
Q40
○
7-20mm
PBT
○



18-30VDC
<10%
15mA
0-10VDC / $\geq 4.7K\Omega$
-
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV(contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S2P4020GVEA4
39



Approx.290 g

ANALOG INDUCTIVE VOLTAGE AND CURRENT OUTPUT ANALOG SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Supply Voltage
Max. Ripple
No Load Current
Output Voltage/Load Resistor
Output Current/Load Resistor
Linearity
Repeat Accuracy
Ambient Temperature
Temperature Drift
Short Circuit Protection
Reverse Polarity Protection
Protection Degree
Output Signal
Switch Frequency Max.
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

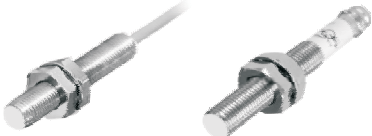
Characteristics

Inductive Voltage Output
Inductive Current Output
Inductive Voltage & Current output

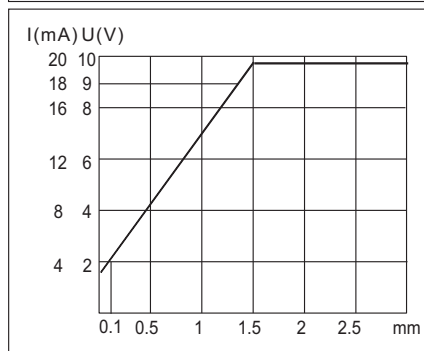
Dimensions (Unit: mm)

Cable 2M (PVC)
Weight

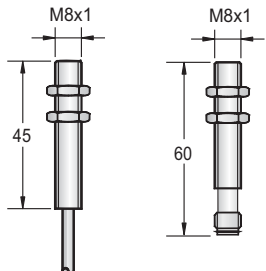
M8
●
0.1-1.5 mm
Nickel plated brass
○



18-30VDC
<10%
35mA
0-10VDC/≥2KΩ
4-20mA/0-400Ω Max.
<5%(Sr)
0.02mm
-25 °C - +70 °C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

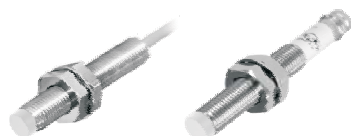


P5C1B081.5GM4A2
18
P5C1B081.5GMPA4

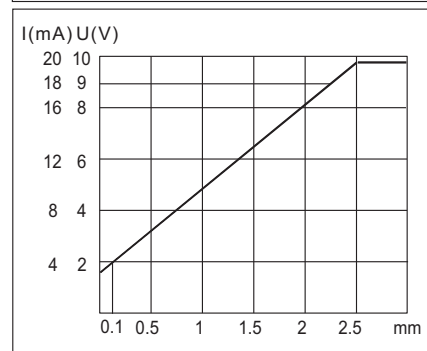


4φ 3x0.15
approx.40g
—
approx.15g

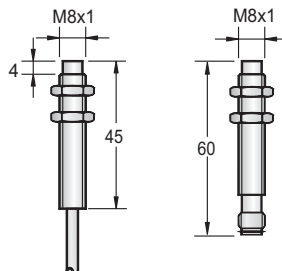
M8
○
0.1-2.5mm
Nickel plated brass
○



18-30VDC
<10%
35mA
0-10VDC/≥2KΩ
4-20mA/0-400Ω Max.
<10%(Sr)
0.02mm
-25 °C - +70 °C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B082.5GM4A2
18
P5C2B082.5GMPA4



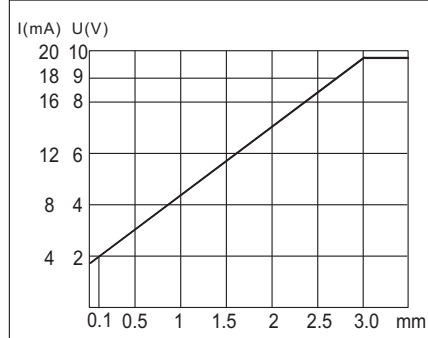
4φ 3x0.15
approx.40g
—
approx.15g

ANALOG INDUCTIVE VOLTAGE AND CURRENT OUTPUT ANALOG SENSORS

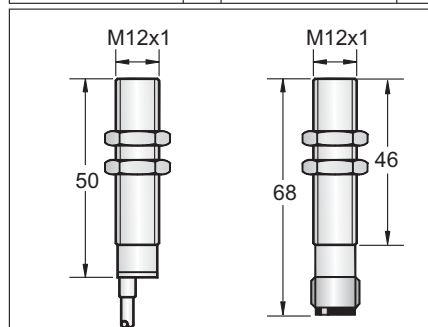
M12
●
0.1-3.0mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
0-10VDC/ $\geq 2K\Omega$
4-20mA/400 Ω Max.
<5%
0.02mm
0°C ~ +70°C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B1203GM4A2	18	P5C1B1203GMEA4	41
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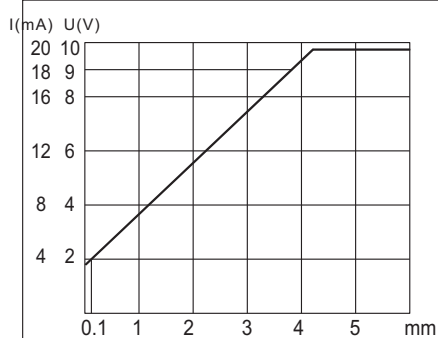


4 ϕ 3x0.15	—
Approx.67g	Approx.31g

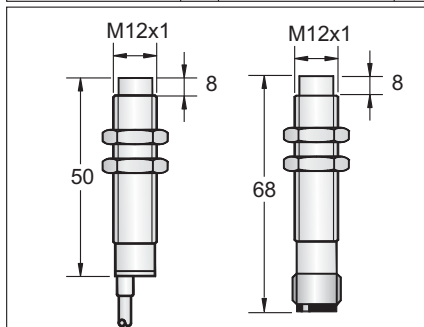
M12
○
0.1-4 mm
Nickel plated brass
○



18-30VDC
<10%
<35mA
0-10VDC/ $\geq 2K\Omega$
4-20mA/400 Ω Max.
<5%
0.02mm
0°C ~ +70°C
<5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B1204GM4A2	18	P5C2B1204GMEA4	41
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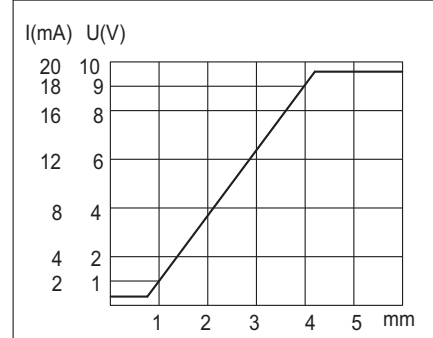


4 ϕ 3x0.15	—
Approx.67g	Approx.30g

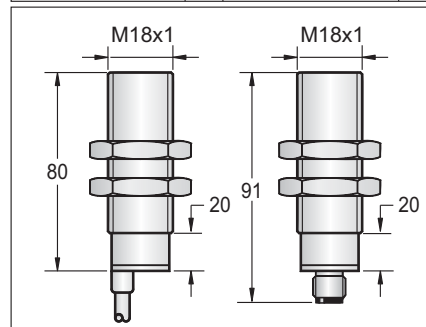
M18
●
1-4 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC/ $\geq 4.7K\Omega$
0-20mA/0-200 Ω Max.
<10%(Sr)
0.02mm
0 ° C-70 °C
<5%(Sr)
NO
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B1804GM4A2	18	P5C1B1804GMEA4	41
----------------	----	----------------	----



5.8 ϕ 4x0.15	—
Approx.142g	Approx.60g

ANALOG INDUCTIVE VOLTAGE AND CURRENT OUTPUT ANALOG SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Supply Voltage
Max. Ripple
No Load Current
Output Voltage/Load Resistor
Output Current/Load Resistor
Linearity
Repeat Accuracy
Ambient Temperature
Temperature Drift
Short Circuit Protection
Reverse Polarity Protection
Protection Degree
Output Signal
Switch Frequency Max.
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

Characteristics

Inductive Voltage Output
Inductive Current Output
Inductive Voltage & Current output

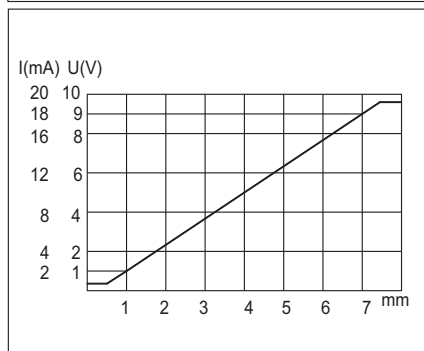
Dimensions (Unit: mm)

Cable 2M (PVC)
Weight

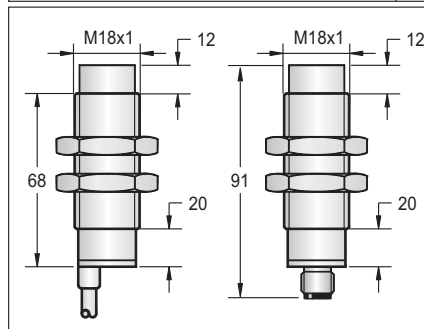
M 18
○
1-7 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC/≥4.7KΩ
0-20mA/0-200Ω Max.
<10%(Sr)
0.02mm
-25°C~+70°C
<5%(Sr)
NO
YES
IP67
PNP-ANALOG
30Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B1807GM4A2	18	P5C2B1807GMEA4	41
----------------	----	----------------	----

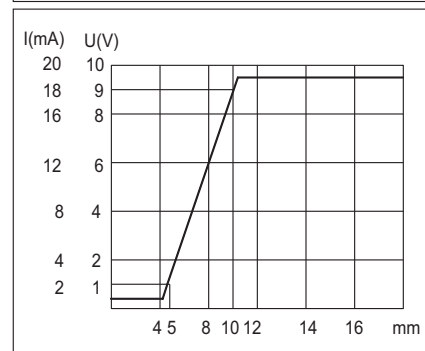


5.8φ4x0.15	—
approx.138g	approx.58g

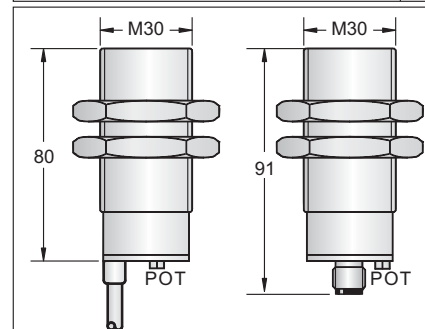
M 30
●
5-10mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC/≥4.7KΩ
0-20mA/0-200Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
<5%(Sr)
NO
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B3010GM4A2	18	P5C1B3010GMEA4	41
----------------	----	----------------	----



5.8φ4x0.5	—
approx.252g	approx.110g

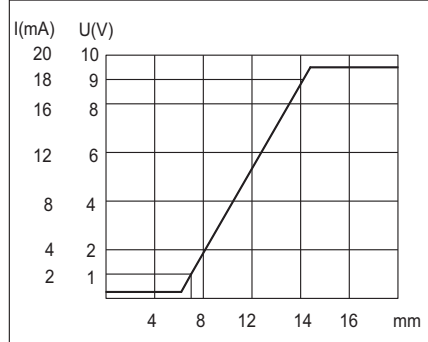
ANALOG INDUCTIVE VOLTAGE AND CURRENT OUTPUT ANALOG SENSORS

M30
○
7-14mm
Nickel plated brass
○

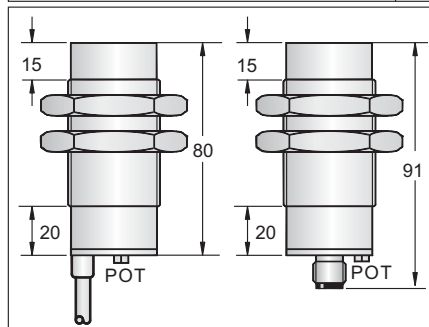


CE

18-30VDC
<10%
15mA
0-10VDC/ $\geq 4.7K\Omega$
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
<5%(Sr)
NO
YES
IP67
PNP-ANALOG
30Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C2B3014GM4A2	18	P5C2B3014GMEA4	41
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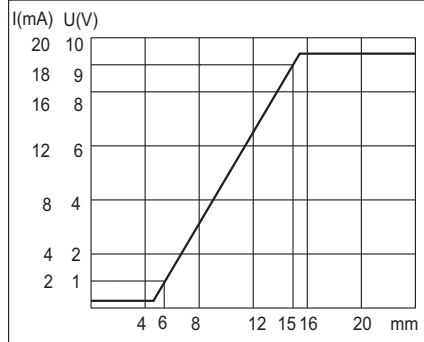
5.8 ϕ 4x0.5	-
approx.246g	approx.110g

Q40
●
6-15mm
PBT
○

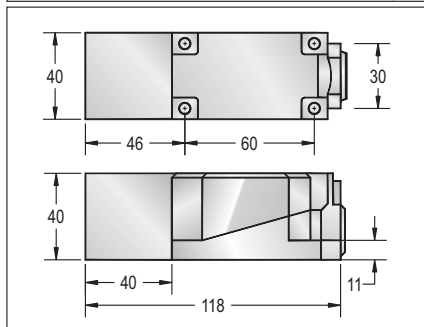


CE

18-30VDC
<10%
15mA
0-10VDC/ $\geq 4.7K\Omega$
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S1P4015GM4A	18
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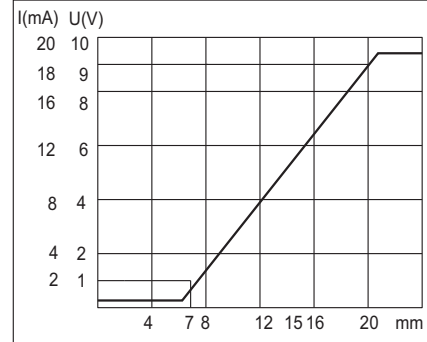
Approx.262 g

Q40
○
7-20mm
PBT
○

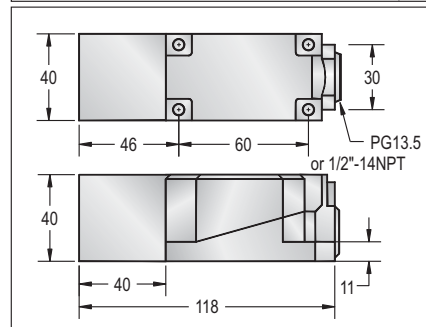


CE

18-30VDC
<10%
15mA
0-10VDC/ $\geq 4.7K\Omega$
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S2P4020GM4A	18
---------------	----



Approx.262 g

ANALOG INDUCTIVE VOLTAGE AND CURRENT OUTPUT ANALOG SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Supply Voltage
Max. Ripple
No Load Current
Output Voltage/Load Resistor
Output Current/Load Resistor
Linearity
Repeat Accuracy
Ambient Temperature
Temperature Drift
Short Circuit Protection
Reverse Polarity Protection
Protection Degree
Output Signal
Switch Frequency Max.
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

Characteristics

Inductive Voltage Output
Inductive Current Output
Inductive Voltage & Current output

Dimensions (Unit: mm)

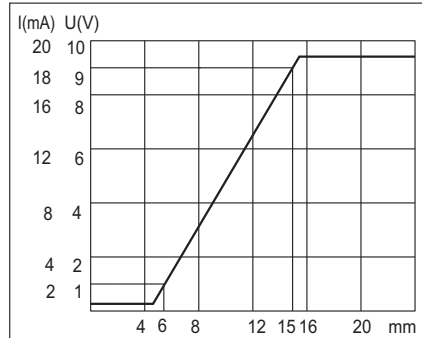
Cable 2M (PVC)
Weight

Q40
●
6-15mm
PBT
○

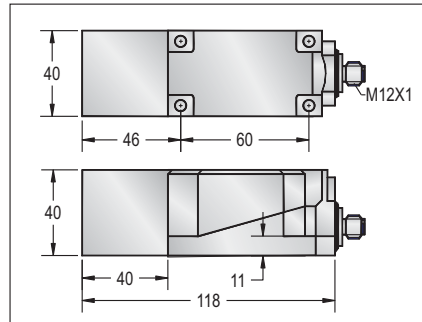


CE

18-30VDC
<10%
15mA
0-10VDC/≥4.7K Ω
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5S1P4015GMEA4
41



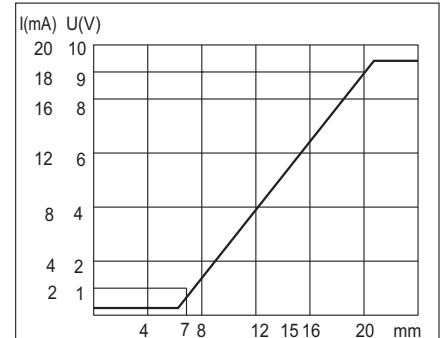
Approx.290 g

Q40
○
7-20mm
PBT
○

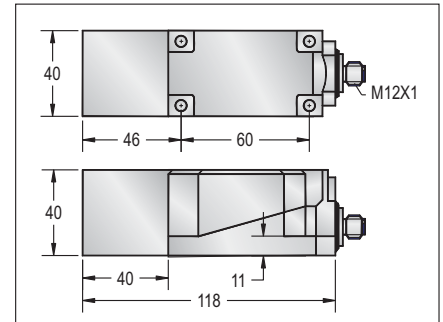


CE

18-30VDC
<10%
15mA
0-10VDC/≥4.7K Ω
0-20mA/200 Ω Max.
<10%(Sr)
0.02mm
-25°C ~ +70°C
5%(Sr)
-
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

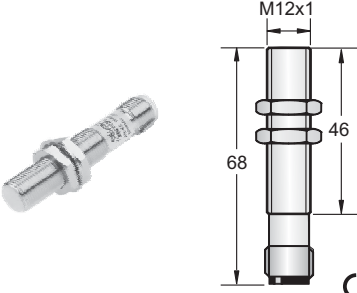
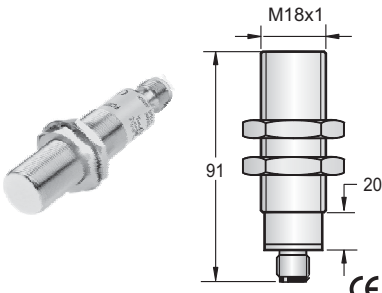
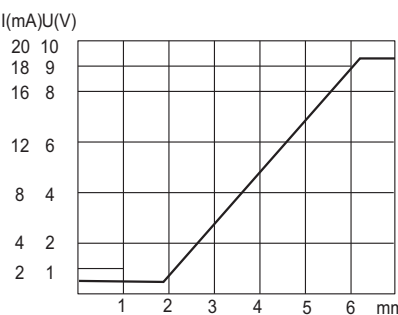
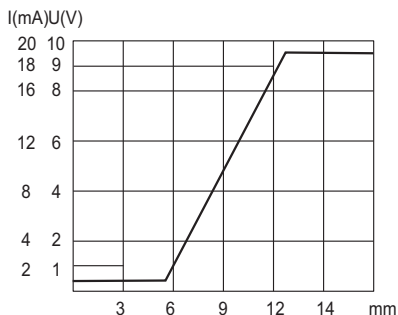
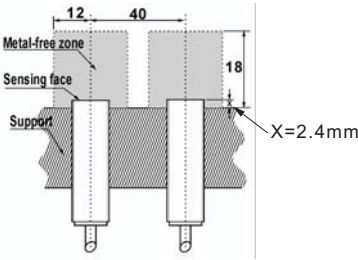
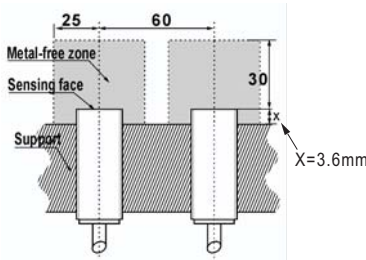


P5S2P4020GMEA4
41



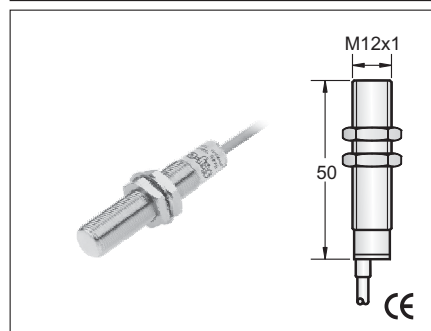
Approx.290 g

DC LONG SENSING DISTANCE INDUCTIVE ANALOG SENSORS

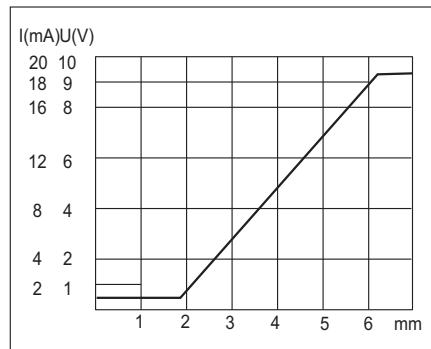
Diameter	M 12	M 18
● Shielded ○ Non-shielded	●	●
Switching Distance Sn: mm	2-6mm	6-12 mm
Housing Material	Nickel plated brass	Nickel plated brass
● With LED ○ Without LED	○	○
Picture		
Supply Voltage	18-30VDC	18-30VDC
Max. Ripple	<10%	<10%
No Load Current	15mA	15mA
Output Voltage/Load Resistor	0-10VDC/≥4.7KΩ	0-10VDC/≥4.7KΩ
Output Current/Load Resistor	0-20mA/200Ω	0-20mA/200Ω
Linearity	<10%(Sr)	<10%(Sr)
Repeat Accuracy	0.02mm	0.02mm
Ambient Temperature	-25°C ~ +70°C	-25°C ~ +70°C
Temperature Drift	<5%(Sr)	<5%(Sr)
Short Circuit Protection	NO	NO
Reverse Polarity Protection	YES	YES
Protection Degree	IP67	IP67
Output Signal	PNP-ANALOG	PNP-ANALOG
Switch Frequency Max.	100Hz	100Hz
Time Delay Before Availability	-	-
EMC	RFI>3V/m / EFT>1KV / ESD>4KV (contact)	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
Shock / Vibration	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
Material Active Face	PBT	PBT
Characteristics		
Inductive Voltage Output	P5C1B1206GVEA4	P5C1B1812GVEA4
Inductive Current Output	P5C1B1206GIEA4	P5C1B1812GIEA4
Inductive Voltage & Current output	P5C1B1206GMEA4	P5C1B1812GMEA4
Mounting		
Sensor target steel(FE37x1mm)	18x18X1mm	36x36X1mm
Weight	Approx.31g	Approx.169g

DC LONG SENSING DISTANCE INDUCTIVE ANALOG SENSORS

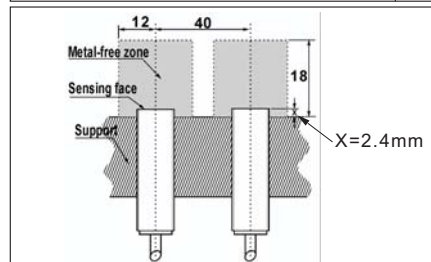
M 12
●
2-6mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC/ $\geq 4.7K\Omega$
0-20mA/200 Ω
<10%(Sr)
0.02mm
-25°C ~ +70°C
<5%(Sr)
NO
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

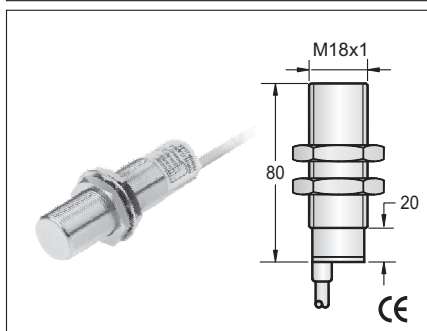


P5C1B1206GV3A2	39
P5C1B1206GI3A2	40
P5C1B1206GM4A2	41

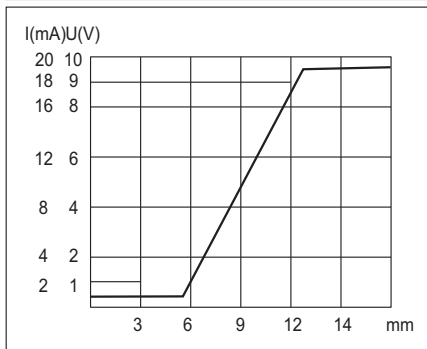


18x18X1mm
4 ϕ 3x0.15 or 4 ϕ 4x0.15
approx.67g

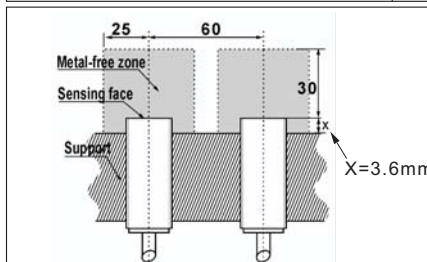
M 18
●
6-12 mm
Nickel plated brass
○



18-30VDC
<10%
15mA
0-10VDC/ $\geq 4.7K\Omega$
0-20mA/200 Ω
<10%(Sr)
0.02mm
-25°C ~ +70°C
<5%(Sr)
NO
YES
IP67
PNP-ANALOG
100Hz
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT



P5C1B1812GV3A2	39
P5C1B1812GI3A2	40
P5C1B1812GM4A2	41



36x36X1mm
5.8 ϕ 3x0.5 or 5.8 ϕ 4x0.5
approx.142g