

PART J-01 ~ J-07

Diameter

● Shielded ○ non-Shielded

Switching Distance Sn mm

Housing Material

● With LED ○ Without LED

Dimensions (unit: mm)

Operating Voltage

Ripple

No Load Current

Max. Load Current

Leakge 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

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.

DC 3 wire 10-55v NPN N.O. or 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.

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

Remark

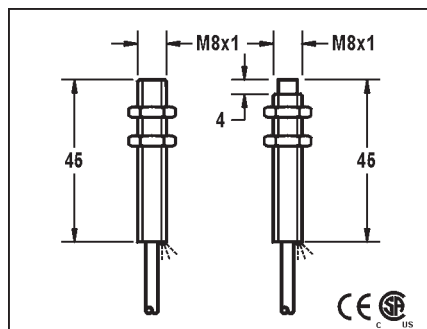
Cable 2M (PVC)

Weight

Please put each catalog page in the blank. The specification on the left will help your reading.

DC HIGH TEMPERATURE INDUCTIVE PROXIMITY SWITCH

M8	
●	○
1 mm	2 mm
stainless steel or nickel plated brass	
●	



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
2KHZ
0.1ms/0.1ms
<15%
<1.0%(Sr)
IP67
-25 °C - +100 °C
<10%(Sr)
YES
220mA
<10ms

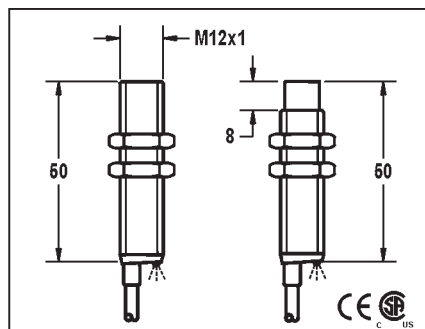
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2

POM		
TCM1-0801N-A3U2	1	TCM2-0802N-A3U2
TCM1-0801N-B3U2	2	TCM2-0802N-B3U2
TCM1-0801P-A3U2	3	TCM2-0802P-A3U2
TCM1-0801P-B3U2	4	TCM2-0802P-B3U2
TCM1-0801P-S4U2	6	TCM2-0802P-S4U2
TCM1-0801N-S4U2	5	TCM2-0802N-S4U2
TCM1-0801C-A2U2	7	TCM2-0802C-A2U2
TCM1-0801C-B2U2	8	TCM2-0802C-B2U2

DC 2 wire type see page 17

PVC105 3 ϕ 3x0.15
approx.40g

M12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



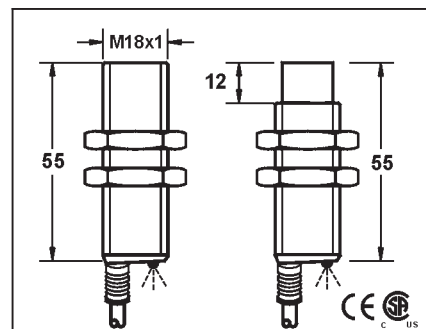
10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
2KHZ
0.1ms/0.1ms
<15%
<1.0%(Sr)
IP67
-25 °C - +100 °C
<10%(Sr)
YES
220mA
<10ms

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		PBT
TCM1-1202N-A3U2	1	TCM2-1204N-A3U2
TCM1-1202N-B3U2	2	TCM2-1204N-B3U2
TCM1-1202P-A3U2	3	TCM2-1204P-A3U2
TCM1-1202P-B3U2	4	TCM2-1204P-B3U2
TCM1-1202P-S4U2	6	TCM2-1204P-S4U2
TCM1-1202N-S4U2	5	TCM2-1204N-S4U2
TCM1-1202C-A2U2	7	TCM2-1204C-A2U2
TCM1-1202C-B2U2	8	TCM2-1204C-B2U2

PVC105 4 ϕ 3x0.34
approx.67g

M18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	

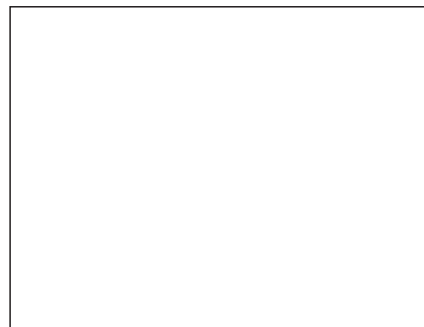


10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
1KHZ
0.2ms/0.2ms
<15%
<1.0%(Sr)
IP67
-25 °C - +100 °C
<10%(Sr)
YES
220mA
<10ms

RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2

PBT		
TCM1-1805N-A3U2	1	TCM2-1808N-A3U2
TCM1-1805N-B3U2	2	TCM2-1808N-B3U2
TCM1-1805P-A3U2	3	TCM2-1808P-A3U2
TCM1-1805P-B3U2	4	TCM2-1808P-B3U2
TCM1-1805P-S4U2	6	TCM2-1808P-S4U2
TCM1-1805N-S4U2	5	TCM2-1808N-S4U2
TCM1-1805C-A2U2	7	TCM2-1808C-A2U2
TCM1-1805C-B2U2	8	TCM2-1808C-B2U2

PVC105 5.0 ϕ 44x0.1
approx.153g

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