



**Product ID :**

TS-0801

**Product Description :**

TS-0801 Tubular Inductive Proximity Sensor / Sensing Range: 1mm

Model No.: TS-0801-NA (NPN Normal Open)

TS-0801-NB (NPN Normal Close)

TS-0801-PA (PNP Normal Open)

TS-0801-PB (PNP Normal Close)

**Product Specifications :**

- ◎Max. Operation Distance: 2mm ± 10%
- ◎Secure Sensing Range: 0 to 1.6 mm
- ◎Standard Sensing object: Iron steel 8 x 8 x 1 mm
- ◎Hysteresis: 15% or less of operation distance
- ◎Supply Voltage: 10~30 VDC
- ◎Current Consumption: 10mA or less
- ◎Output Current: Max. sink current 150mA
- ◎Max. response frequency: 1.5KHz
- ◎Degree of Protection: IP67
- ◎Temperature/Humidity: -20 to +70°C/ 35 to 95% RH
- ◎Material: Detection surface : POM; Housing : Brass nickel Plated
- ◎Type: Non Shielded



**Product ID :**

TS-0802

**Product Description :**

TS-0802 Tubular Inductive Proximity Sensor / Sensing Range: 2mm

Model No.: TS-0802-NA (NPN Normal Open)

TS-0802-NB (NPN Normal Close)

TS-0802-PA (PNP Normal Open)

TS-0802-PB (PNP Normal Close)

**Product Specifications :**

- ◎Max. Operation Distance: 1mm ± 10%
- ◎Secure Sensing Range: 0 to 0.8 mm
- ◎Standard Sensing object: Iron steel 8 x 8 x 1 mm
- ◎Hysteresis: 15% or less of operation distance
- ◎Supply Voltage: 10~30 VDC
- ◎Current Consumption: 10mA or less
- ◎Output Current: Max. sink current 150mA
- ◎Max. response frequency: 1KHz
- ◎Degree of Protection: IP67
- ◎Temperature/Humidity: -20 to +70°C/ 35 to 95% RH
- ◎Material: Detection surface : POM; Housing : Brass nickel Plated
- ◎Type: Shielded



**Product ID :**

TS-1204

**Product Description :**

TS-1204 Tubular Inductive Proximity Sensor / Sensing Range: 4mm

Model No.: TS-1204-NA (NPN Normal Open)

TS-1204-NB (NPN Normal Close)

TS-1204-PA (PNP Normal Open)

TS-1204-PB (PNP Normal Close)

**Product Specifications :**

◎Max. Operation Distance: 4mm  $\pm$  10%

◎Secure Sensing Range: 0 to 3.2 mm

◎Standard Sensing object: Iron steel 12 x 12 x 1 mm

◎Hysteresis: 15% or less of operation distance

◎Supply Voltage: 10~30 VDC

◎Current Consumption: 10mA or less

◎Output Current: Max. sink current 150mA

◎Max. response frequency: 600Hz

◎Degree of Protection: IP67

◎Temperature/Humidity: -20 to +70°C/ 35 to 95% RH

◎Material: Detection surface : POM; Housing : Brass nickel Plated

◎Type: Non Shielded



**Product ID :**

TS-1202

**Product Description :**

TS-1202 Proximity Inductive Proximity Sensor / Sensing Range: 2mm

Model No.: TS-1202-NA (NPN Normal Open)

TS-1202-NB (NPN Normal Close)

TS-1202-PA (PNP Normal Open)

TS-1202-PB (PNP Normal Close)

**Product Specifications :**

◎Max. Operation Distance: 2mm ± 10%

◎Secure Sensing Range: 0 to 1.6 mm

◎Standard Sensing object: Iron steel 12 x 12 x 1 mm

◎Hysteresis: 15% or less of operation distance

◎Supply Voltage: 10~30 VDC

◎Current Consumption: 10mA or less

◎Output Current: Max. sink current 150mA

◎Max. response frequency: 1KHz

◎Degree of Protection: IP67

◎Temperature/Humidity: -20 to +70°C/ 35 to 95% RH

◎Material: Detection surface : POM; Housing : Brass nickel Plated

◎Type: Shielded



**Product ID :**

A08-TS1808

**Product Description :**

A08-TS1808 TS-1808 / Sensing Range 8mm

Model No.: TS-1808-NA (NPN Normal Open)

TS-1808-NB (NPN Normal Close)

TS-1808-PA (PNP Normal Open)

TS-1808-PB (PNP Normal Close)

**Product Specifications :**

- ◎Max. Operation Distance: 8mm ± 10%
- ◎Secure Sensing Range: 0 to 6.4 mm
- ◎Standard Sensing object: Iron steel 18 x 18 x 1 mm
- ◎Hysteresis: 15% or less of operation distance
- ◎Supply Voltage: 10~30 VDC
- ◎Current Consumption: 10mA or less
- ◎Output Current: Max. sink current 150mA
- ◎Max. response frequency: 200Hz
- ◎Degree of Protection: IP67
- ◎Temperature/Humidity: -20 to +70°C/ 35 to 95% RH
- ◎Material: Detection surface : POM; Housing : Brass nickel Plated
- ◎Type: Non Shielded



**Product ID :**

TS-1805

**Product Description :**

TS-1805 Tubular Inductive Proximity Sensor / Sensing Range: 5mm

**Model Explanation :**

Model No.: TS-1805-NA (NPN Normal Open)

TS-1805-NB (NPN Normal Close)

TS-1805-PA (PNP Normal Open)

TS-1805-PB (PNP Normal Close)

**Product Specifications :**

◎Max. Operation Distance: 5mm ± 10%

◎Secure Sensing Range: 0 to 4 mm

◎Standard Sensing object: Iron steel 18 x 18 x 1 mm

◎Hysteresis: 15% or less of operation distance

◎Supply Voltage: 10~30 VDC

◎Current Consumption: 10mA or less

◎Output Current: Max. sink current 150mA

◎Max. response frequency: 600Hz

◎Degree of Protection: IP67

◎Temperature/Humidity: -20 to +70°C/ 35 to 95% RH

◎Material: Detection surface : POM; Housing : Brass nickel Plated

◎Type: Shielded