

Long Distance

Pre-wired

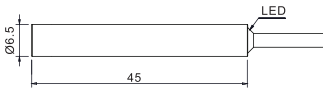
| | | | | | | | | | | | |
|--------------------------|-------------------------|----------------------------------|------------------------|------------------------------------|------------------------|----------------------------------|-------------------------|------------------------------------|------------------------|------------------------|------------------------|
| Appearance | | | | | | | | | | | |
| Mounting | Shielded | | Shielded | | | Unshielded | | Unshielded | | | |
| Housing size | φ 6.5 | M8 | M12 | M18 | M30 | φ 6.5 | M8 | M12 | M18 | M30 | |
| Sensing distance | 3mm ± 10% | 3mm ± 10% | 6mm ± 10% | 12mm ± 10% | 22mm ± 10% | 6mm ± 10% | 6mm ± 10% | 10mm ± 10% | 20mm ± 10% | 40mm ± 10% | |
| Housing material | Stainless steel | | Nickel copper alloy | | | Stainless steel | | Nickel copper alloy | | | |
| Operating voltage | 10~30V DC(Ripple < 10%) | | | | | | | | | | |
| Voltage drop | < 1.5V | | | | | | | | | | |
| Load Current, Max | 150mA | | | | | | | | | | |
| Current consumption | < 10mA | | | | | | | | | | |
| Leakage current | < 0.01mA | | | | | | | | | | |
| Switch frequency | 1KHz | | 800Hz | 300Hz | 150Hz | 500Hz | | 400Hz | 100Hz | | |
| Repeat accuracy | < 5.0% (Sr) | | | | | | | | | | |
| Hysteresis | < 15% (Sr) | | | | | | | | | | |
| Sensing surface material | PBT | | | | | | | | | | |
| Operating Temperature | -25°C~+75°C | | | | | | | | | | |
| Protective circuit | Short circuit | | | | | | | | | | |
| Degree of protection | IP67 | | | | | | | | | | |
| Model No. | NPN Normally open | TYF6.5-03 ^{NO} | TYF08-03 ^{NO} | TYF12-06 ^{NO} | TYF18-12 ^{NO} | TYF30-22 ^{NO} | TYN6.5-06 ^{NO} | TYN08-06 ^{NO} | TYN12-10 ^{NO} | TYN18-20 ^{NO} | TYN30-40 ^{NO} |
| | Others | ^{NO} :NPN Normally open | | ^{NC} :NPN Normally closed | | ^{PO} :PNP Normally open | | ^{PC} :PNP Normally closed | | | |

Connector Type

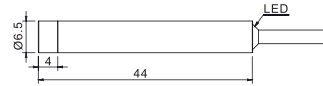
| | | | | | | | | | |
|--------------------------|-------------------------|----------------------------------|----------------------------|------------------------------------|----------------------------|----------------------------------|----------------------------|------------------------------------|----------------------------|
| Appearance | | | | | | | | | |
| Mounting | Shielded | | | | Unshielded | | | | |
| Housing size | M8 | M12 | M18 | M30 | M8 | M12 | M18 | M30 | |
| Sensing distance | 3mm ± 10% | 6mm ± 10% | 12mm ± 10% | 22mm ± 10% | 6mm ± 10% | 10mm ± 10% | 20mm ± 10% | 40mm ± 10% | |
| Housing material | Stainless steel | Nickel copper alloy | | | Stainless steel | Nickel copper alloy | | | |
| Operating voltage | 10~30V DC(Ripple < 10%) | | | | | | | | |
| Voltage drop | < 1.5V | | | | | | | | |
| Load Current, Max | 150mA | | | | | | | | |
| Current consumption | < 10mA | | | | | | | | |
| Leakage current | < 0.01mA | | | | | | | | |
| Switch frequency | 1KHz | 800Hz | 300Hz | 150Hz | 500Hz | 400Hz | 100Hz | | |
| Repeat accuracy | < 5.0% (Sr) | | | | | | | | |
| Hysteresis | < 15% (Sr) | | | | | | | | |
| Sensing surface material | PBT | | | | | | | | |
| Operating Temperature | -25°C~+75°C | | | | | | | | |
| Protective circuit | Short circuit | | | | | | | | |
| Degree of protection | IP67 | | | | | | | | |
| Model No. | NPN Normally open | TYF08-03 ^{NO} -E1 | TYF12-06 ^{NO} -E2 | TYF18-12 ^{NO} -E2 | TYF30-22 ^{NO} -E2 | TYN08-06 ^{NO} -E1 | TYN12-10 ^{NO} -E2 | TYN18-20 ^{NO} -E2 | TYN30-40 ^{NO} -E2 |
| | Others | ^{NO} :NPN Normally open | | ^{NC} :NPN Normally closed | | ^{PO} :PNP Normally open | | ^{PC} :PNP Normally closed | |

φ6.5

TYF6.5-03□□

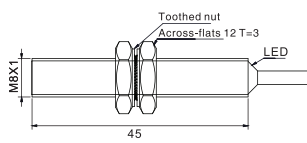


TYN6.5-06□□

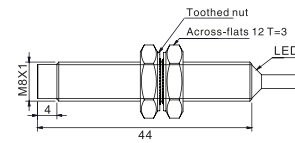


M8

TYF08-03□□

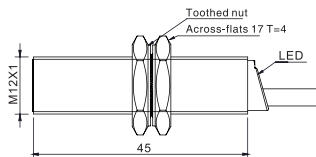


TYN08-06□□

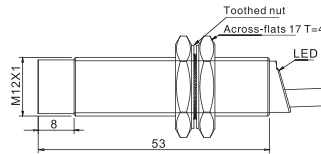


M12

TYF12-06□□

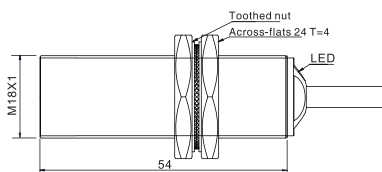


TYN12-10□□

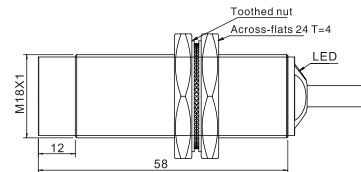


M18

TYF18-12□□

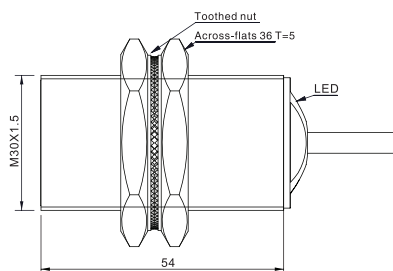


TYN18-20□□

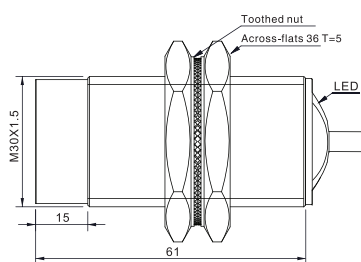


M30

TYF30-22□□



TYN30-40□□

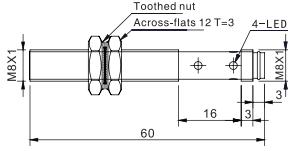


Long Distance

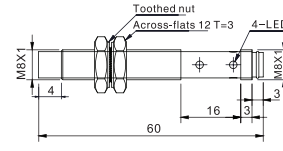
Dimensions-Connector Type (Unit:mm)

M8

TYF08-03□□-E1

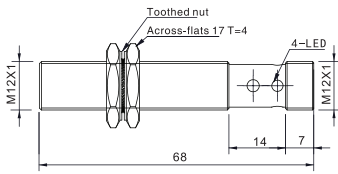


TYN08-06□□-E1

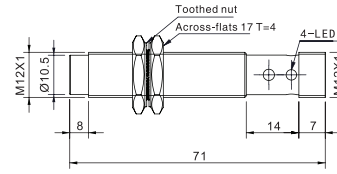


M12

TYF12-06□□-E2

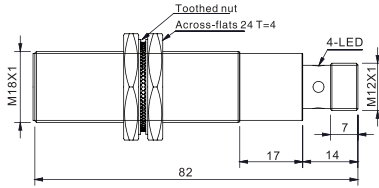


TYN12-10□□-E2

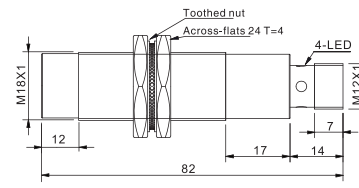


M18

TYF18-12□□-E2

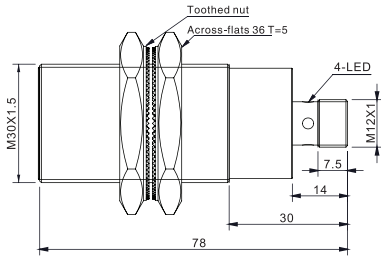


TYN18-20□□-E2



M30

TYF30-22□□-E2



TYN30-40□□-E2

