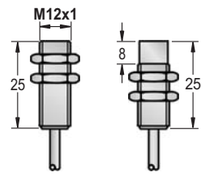
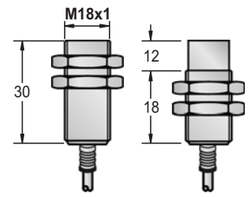
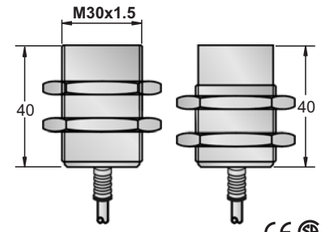
## PART J-01 ~ J-07

## NAMUR HIGH TEMPERATURE INDUCTIVE PROXIMITY SWITCH

| Diameter | M 12 | | M 18 | | M 30 | |
|---|---|---|---|---|---|---|
| ● Shielded ○ non-Shielded | ● | ○ | ● | ○ | ● | ○ |
| Switching Distance Sn mm | 2 mm | 4 mm | 5 mm | 8 mm | 10 mm | 15 mm |
| Housing Material | stainless steel or nickel plated brass | | stainless steel or nickel plated brass | | stainless steel or nickel plated brass | |
| ● With LED ○ Without LED | ○ | | ○ | | ○ | |
| Dimensions (unit: mm) |  | |  | |  | |
| Operating Voltage | 6-12VDC | | 6-12VDC | | 6-12VDC | |
| Ripple | - | | - | | - | |
| No Load Current | >2.2mA(OFF) | <1.1mA(ON) | >2.2mA(OFF) | <1.1mA(ON) | >2.2mA(OFF) | <1.1mA(ON) |
| Max. Load Current | - | | - | | - | |
| Leakge Current | - | | - | | - | |
| Surge Current | - | | - | | - | |
| Min. Load Current | - | | - | | - | |
| Voltage Drop | - | | - | | - | |
| Switching Frequency | 2KHz | 1KHz | 1KHz | 0.5KHz | 1KHz | 0.5KHz |
| Response Time | 0.05ms/0.05ms | 0.1ms/0.1ms | 0.1ms/0.1ms | 0.2ms/0.2ms | 0.1ms/0.1ms | 0.2ms/0.2ms |
| Switching Hysteresis | <15% | | <15% | | <15% | |
| Repeat Accuracy | <1.0%(Sr) | | <1.0%(Sr) | | <1.0%(Sr) | |
| Protection Category | IP67 | | IP67 | | IP67 | |
| Operating Temperature | -25°C - +100°C | | -25°C - +100°C | | -25°C - +100°C | |
| Temperature Drift | <10%(Sr) | | <10%(Sr) | | <10%(Sr) | |
| Short Circuit Protection | - | | - | | - | |
| Overload Trip Point | - | | - | | - | |
| Time Delay Before Availability | - | | - | | - | |
| EMC | RFI>3V/m / EFT>1KV / ESD>4KV (contact) | | 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 | | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | |
| Material Active Face | POM | PBT | PBT | | PBT | |
| 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 | TCM1-1202NU | 8 TCM2-1204NU | TCM1-1805NU | 8 TCM2-1808NU | TCM1-3010NU | 8 TCM2-3015NU |
| 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) | PVC105 4φ 2x0.34 | | PVC105 5.0φ44x0.1 | | PVC105 5.8φ 2x0.5 | |
| Weight | approx.42g | approx.41g | approx.126g | | approx.185g | approx.167g |

Note:
Coming Soon : Part numbers with underline