



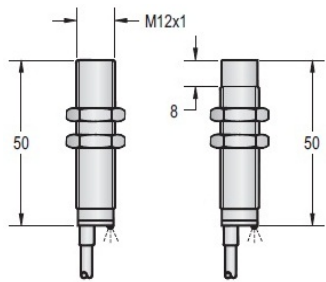
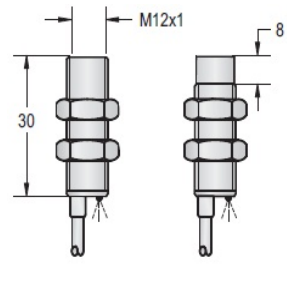


DC INDUCTIVE PROXIMITY SWITCH(M12)

| Diameter | M12 | M12 |
|-----------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Shielded/non-Shielded | Shielded/ Non-Shielded | Shielded/ Non-Shielded |
| Switching Distance Sn mm | 2mm / 4mm | 2mm / 4mm |
| Housing Material | stainless steel or nickel plated brass | stainless steel or nickel plated brass |
| With LED/Without LED | With LED | With LED |
| Picture |  |  |
| Operating Voltage | 10-30VDC / 5-36VDC / 10-55V/ 10-60VDC | 10-30VDC / 5-36VDC / 10-55V/ 10-60VDC |
| Ripple | <10% | <10% |
| No Load Current | <10mA | <10mA |
| Max. Load Current | 200mA | 200mA |
| Leakge Current | <0.01mA | <0.01mA |
| Voltage Drop | <1.5V | <1.5V |
| Switching Frequency | 2KHZ / 1KHZ | 2KHZ / 1KHZ |
| Response Time | 0.1ms/0.1ms | 0.1ms/0.1ms |
| Switching Hysteresis | <15%(Sr) | <15%(Sr) |
| Repeat Accuracy | <1.0%(Sr) | <1.0%(Sr) |
| Protection Category | IP67 | IP67 |
| Operating Temperature | -25 °C - +70 °C | -25 °C - +70 °C |
| Temperature Drift | <10%(Sr) | <10%(Sr) |
| Short Circuit Protection | YES | YES |
| Overload Trip Point | 220MA | 220MA |
| Material Active Face | POM/PBT | POM/PBT |
| DC 3 wire 10-30V NPN N.O. | D1B1-M1202N-O3A2 ; D1B2-M1204N-O3A2 | D1B1-M1202N-O3S2 ; D1B2-M1204N-O3S2 |
| DC 3 wire 10-30V NPN N.C. | D1B1-M1202N-C3A2 ; D1B2-M1204N-C3A2 | D1B1-M1202N-C3S2 ; D1B2-M1204N-C3S2 |
| DC 3 wire 10-30V PNP N.O. | D1B1-M1202P-O3A2 ; D1B2-M1204P-O3A2 | D1B1-M1202P-O3S2 ; D1B2-M1204P-O3S2 |
| DC 3 wire 10-30V PNP N.C. | D1B1-M1202P-C3A2 ; D1B2-M1204P-C3A2 | D1B1-M1202P-C3S2 ; D1B2-M1204P-C3S2 |
| DC 4 wire 10-30V Changeover PNP (N.O. & N.C.) | D1B1-M1202P-S4A2 ; D1B2-M1204P-S4A2 | - |
| DC 4 wire 10-30V Changeover NPN (N.O. & N.C.) | D1B1-M1202N-S4A2 ; D1B2-M1204N-S4A2 | - |
| DC 2 wire 10-60V N.O. | D4B1-M1202C-O2A2 ; D4B2-M1204C-O2A2 | D4B1-M1202C-O2S2 ; D4B2-M1204C-O2S2 |
| DC 2 wire 10-60V N.C. | D4B1-M1202C-C2A2 ; D4B2-M1204C-C2A2 | D4B1-M1202C-C2S2 ; D4B2-M1204C-C2S2 |
| DC 3 wire 10-55v NPN N.O. | D3B1-M1202N-O3A2 ; D3B2-M1204N-O3A2 | D3B1-M1202N-O3S2 ; D3B2-M1204N-O3S2 |
| DC 3 wire 10-55v NPN N.C. | D3B1-M1202N-C3A2 ; D3B2-M1204N-C3A2 | D3B1-M1202N-C3S2 ; D3B2-M1204N-C3S2 |
| DC 3 wire 10-55v PNP N.O. | D3B1-M1202P-O3A2 ; D3B2-M1204P-O3A2 | D3B1-M1202P-O3S2 ; D3B2-M1204P-O3S2 |
| DC 3 wire 10-55v PNP N.C. | D3B1-M1202P-C3A2 ; D3B2-M1204P-C3A2 | D3B1-M1202P-C3S2 ; D3B2-M1204P-C3S2 |
| DC 3 wire 5-36V PNP N.C. | D2B1-M1202N-O3A2 ; D2B2-M1204N-O3A2 | D2B1-M1202N-O3S2 ; D2B2-M1204N-O3S2 |
| DC 3 wire 5-36V PNP N.O. | D2B1-M1202N-C3A2 ; D2B2-M1204N-C3A2 | D2B1-M1202N-C3S2 ; D2B2-M1204N-C3S2 |
| DC 3 wire 5-36V NPN N.C. | D2B1-M1202P-O3A2 ; D2B2-M1204P-O3A2 | D2B1-M1202P-O3S2 ; D2B2-M1204P-O3S2 |
| DC 3 wire 5-36V NPN N.O. | D2B1-M1202P-C3A2 ; D2B2-M1204P-C3A2 | D2B1-M1202P-C3S2 ; D2B2-M1204P-C3S2 |
| DC 4 wire 5-36V Changeover PNP (N.O & N.C.) | D2B1-M1202P-S4A2 ; D2B2-M1204P-S4A2 | - |
| DC 4 wire 5-36V Changeover NPN (N.O & N.C.) | D2B1-M1202N-S4A2 ; D2B2-M1204N-S4A2 | - |
| Wiring diagram number |  |  |
| Dimensions (unit: mm) |  |  |
| Cable 2M (PVC) | 4φ3x0.15 or 4φ4x0.15 | 4φ3x0.15 or 4φ4x0.15 |
| Weight | approx.67g / approx.65g | approx.62g / approx.60g |

Subject to modifications without notice

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