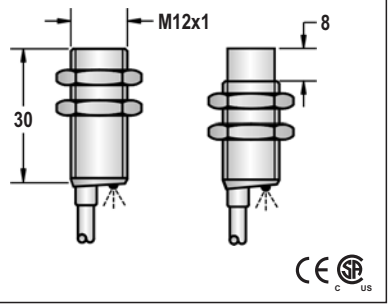
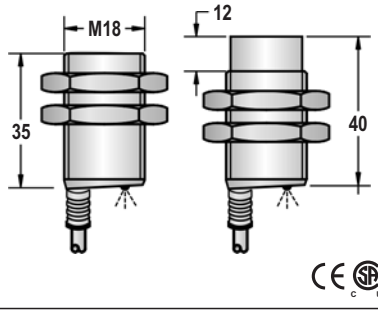
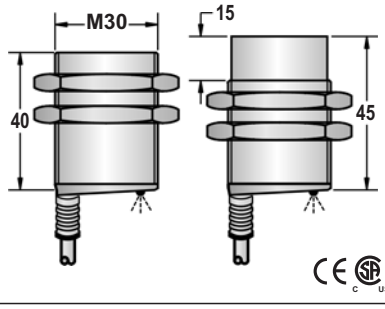
# DC INDUCTIVE PLASTIC HOUSING SHORT FORM PROXIMITY SWITCH

| M 12 | | M 18 | | M 30 | |
|---|---|---|---|---|---|
| ● | ○ | ● | ○ | ● | ○ |
| 2 mm | 4 mm | 5 mm | 8 mm | 10 mm | 15 mm |
| PBT RESIN | | PBT RESIN | | PBT RESIN | |
| ● | | ● | | ● | |
|  | |  | |  | |
| 10-30VDC | | 10-30VDC or 5-36VDC or 10-55VDC | | 10-30VDC or 5-36VDC or 10-55VDC | |
| <10% | | <10% | | <10% | |
| <10mA | | <10mA | <20mA | <10mA | <20mA |
| 200mA | | 200mA | | 200mA | |
| <0.01mA | | <0.01mA | | <0.01mA | |
| - | | - | | - | |
| - | | - | | - | |
| <1.5V | | <1.5V or <1.0V or <2.0V | | <1.5V or <1.0V or <2.0V | |
| 1KHZ | 500HZ | 1KHZ | 500HZ | 300HZ | 150HZ |
| 0.2ms/0.2ms | 0.5ms/0.5ms | 0.2ms/0.2ms | 0.5ms/0.5ms | 0.5ms/0.5ms | 1ms/1ms |
| <15%(Sr) | | <15%(Sr) | | <15%(Sr) | |
| <1.0%(Sr) | | <1.0%(Sr) | | <1.0%(Sr) | |
| IP67 | | IP67 | | IP67 | |
| -25 °C - +70 °C | | -25 °C - +70 °C | | -25 °C - +70 °C | |
| <10%(Sr) | | <10%(Sr) | | <10%(Sr) | |
| YES | | YES | | YES | |
| 220mA | | 220mA | | 220mA | |
| <10ms | | <10ms | | <10ms | |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) | | RFI>3V/m / EFT>1KV / ESD>4KV (contact) | | RFI>3V/m / EFT>1KV / ESD>4KV (contact) | |
| 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 | |
| POM | PBT | PBT | | PBT | |
| FCP1-1202N-A3S2 | 1 FCP2-1204N-A3S2 | FCP1-1805N-A3S2 | 1 FCP2-1808N-A3S2 | FCP1-3010N-A3S2 | 1 FCP2-3015N-A3S2 |
| FCP1-1202N-B3S2 | 2 FCP2-1204N-B3S2 | FCP1-1805N-B3S2 | 2 FCP2-1808N-B3S2 | FCP1-3010N-B3S2 | 2 FCP2-3015N-B3S2 |
| FCP1-1202P-A3S2 | 3 FCP2-1204P-A3S2 | FCP1-1805P-A3S2 | 3 FCP2-1808P-A3S2 | FCP1-3010P-A3S2 | 3 FCP2-3015P-A3S2 |
| FCP1-1202P-B3S2 | 4 FCP2-1204P-B3S2 | FCP1-1805P-B3S2 | 4 FCP2-1808P-B3S2 | FCP1-3010P-B3S2 | 4 FCP2-3015P-B3S2 |
| | | FCP1-1805P-S4S2 | 6 FCP2-1808P-S4S2 | FCP1-3010P-S4S2 | 6 FCP2-3015P-S4S2 |
| | | FCP1-1805N-S4S2 | 5 FCP2-1808N-S4S2 | FCP1-3010N-S4S2 | 5 FCP2-3015N-S4S2 |
| | | FCP1-1805C-A2S2 | 7 FCP2-1808C-A2S2 | FCP1-3010C-A2S2 | 7 FCP2-3015C-A2S2 |
| | | FCP1-1805C-B2S2 | 8 FCP2-1808C-B2S2 | FCP1-3010C-B2S2 | 8 FCP2-3015C-B2S2 |
| | | HCP1-1805N-A3S2 | 1 HCP2-1808N-A3S2 | HCP1-3010N-A3S2 | 1 HCP2-3015N-A3S2 |
| | | HCP1-1805N-B3S2 | 2 HCP2-1808N-B3S2 | HCP1-3010N-B3S2 | 2 HCP2-3015N-B3S2 |
| | | HCP1-1805P-A3S2 | 3 HCP2-1808P-A3S2 | HCP1-3010P-A3S2 | 3 HCP2-3015P-A3S2 |
| | | HCP1-1805P-B3S2 | 4 HCP2-1808P-B3S2 | HCP1-3010P-B3S2 | 4 HCP2-3015P-B3S2 |
| | | ICP1-1805N-A3S2 | 1 ICP2-1808N-A3S2 | ICP1-3010N-A3S2 | 1 ICP2-3015N-A3S2 |
| | | ICP1-1805N-B3S2 | 2 ICP2-1808N-B3S2 | ICP1-3010N-B3S2 | 2 ICP2-3015N-B3S2 |
| | | ICP1-1805P-A3S2 | 3 ICP2-1808P-A3S2 | ICP1-3010P-A3S2 | 3 ICP2-3015P-A3S2 |
| | | ICP1-1805P-B3S2 | 4 ICP2-1808P-B3S2 | ICP1-3010P-B3S2 | 4 ICP2-3015P-B3S2 |
| | | ICP1-1805P-S4S2 | 6 ICP2-1808P-S4S2 | ICP1-3010P-S4S2 | 6 ICP2-3015P-S4S2 |
| | | ICP1-1805N-S4S2 | 5 ICP2-1808N-S4S2 | ICP1-3010N-S4S2 | 5 ICP2-3015N-S4S2 |
| Voltage Drop: <1.5V ( for Operating Volt. 10-30V)<br><1V ( for Operating Volt. 5-36V)<br><2V ( for Operating Volt. 10-55V)<br>This applies to all models in the category of DC INDUCTIVE PROXIMITY SWITCH. | | Please see Page 18 for details and specifications of DC 2-Wire models on this page. | | | |
| 4φ 3x0.15 | | 5.0φ 44x0.1 | | 5.8φ 3x0.5 | |
| Approx.56 g | | Approx.130 g | | Approx.168 g | Approx.172 g |

Note:
Coming Soon : Part numbers with underline