

Pull-in Type SOLENOIDS

DP1020C Series

Features

- ◇ Low profile type with Dimensions 9.6x21x6H.
- ◇ Effective design to get maximum pull-in force when the load becomes maximum.
- ◇ Possible to fix by one screw. Pin terminal type can be mounted directly to the flexible PC board
- ◇ Total production quantity exceeds 20million pieces (3.8ohm type).
- ◇ Other type with different coil resistance from 3.8 ohm is also available



Applications

- ◇ CD-ROM, DVD, CD/DVD COMBO

Products Line (at 20degree Celsius)

| No | Products No. | Rated voltage | Coil Resistance | Rated duty | Pull-in force (initial) | Out line |
|----|----------------|---------------|-----------------|--|---|--------------|
| 1 | DP1020C-003 | 4.2 V DC | 3.2 ohm | ON Time 0.1sec max. OFF Time 1 sec min. | 0.93N min. <4.2V DC> <Stroke 1.4mm> | Lead wire |
| 2 | DP1020C-004-5 | 4.2 V DC | 3.8 ohm | ON Time 0.1sec max. OFF Time 1 sec min. | 0.69N min. <4.2V DC> <Stroke 1.4mm> | Pin terminal |
| 3 | DP1020C-004-7 | 4.2 V DC | 3.8 ohm | ON Time 0.1sec max. OFF Time 1 sec min. | 0.83N min. <4.2V DC> <Stroke 1.4mm> | Lead wire |
| 4 | DP1020C-004-16 | 4.2 V DC | 3.8 ohm | ON Time 0.1sec max. OFF Time 1 sec min. | 0.78N min. <4.2V DC> <Stroke 1.4mm> | Magnet wire |

Note: Pull-in force does not include the load of attached spring.

Typical Specifications

| Item | Specifications |
|-----------------------------|-------------------------------|
| Insulation resistance | 100 megohm min.250V DC |
| Dielectric strength | 250V AC for 1 min. |
| Insulation grade | JIS E class(except lead wire) |
| Operating life | 20,000 cycles |
| Operation temperature range | -10 to +60 degree Celsius |
| Storage temperature range | -20 to +60 degree Celsius |

Pull-in Force (Typical value) <at 20 degree Celsius initial> 1N=102gf



