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

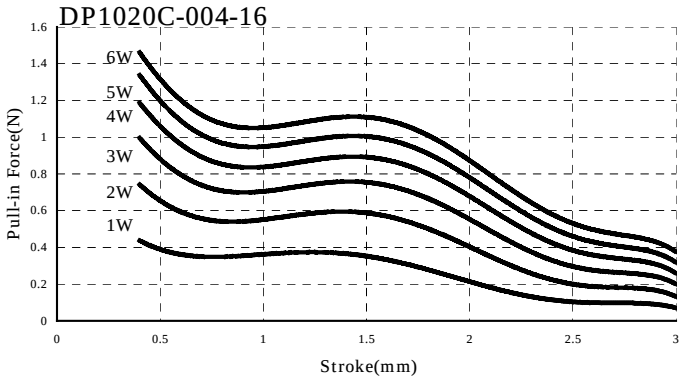
Note: Pull-in force does not include the load of attached spring.

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

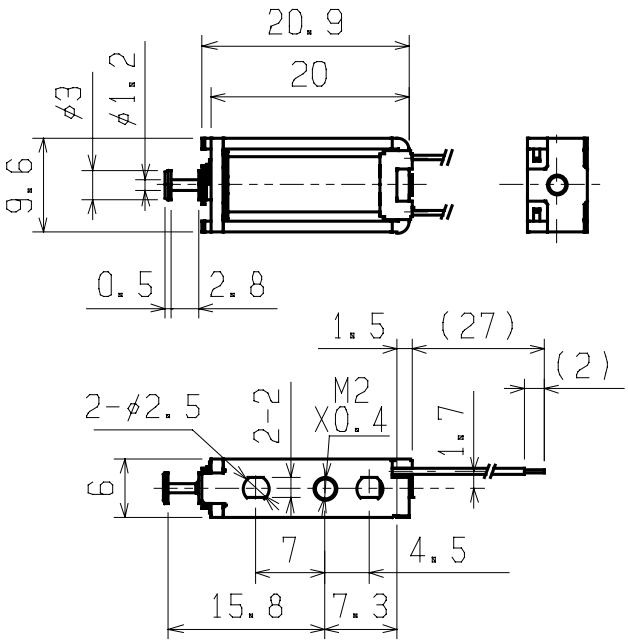
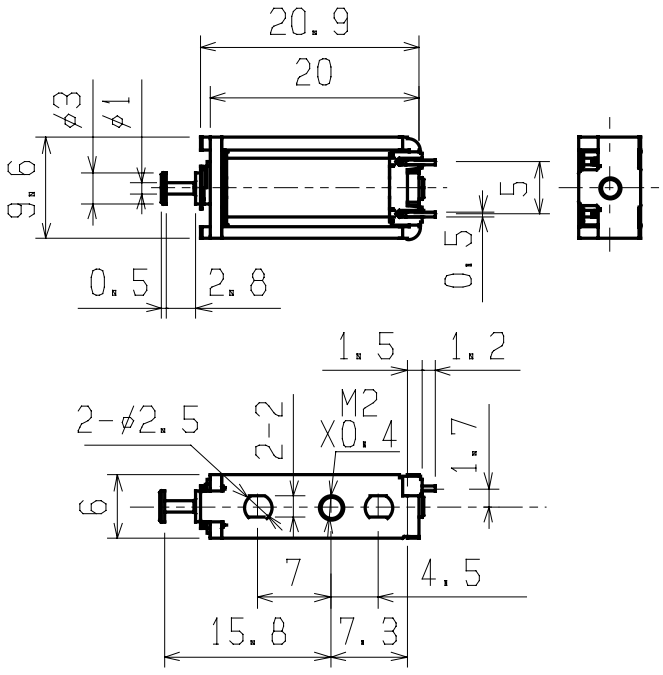
Pull-in Force (Typical value) <at 20 degree Celsius initial>

1N=102gf



Dimensions

Unit : mm

No	Style
1	DP1020C-003  The dimensions at stroke 0mm
2	DP1020C-004-5  The dimensions at stroke 0mm

Notes

1. The appearance and specifications of the product may be modified without prior notice to improve its performance.
2. This catalogue shows only outline specifications. When using the product, please obtain formal specifications.
3. Please see appendix [How to select solenoid].
4. Please confirm the performance on actual operation by simulation with actual environments for high reliability.
5. Please avoid the storage in dusty environment. If you store the products for a long time, do not keep open the package.
6. Please take care for the usage in high humid atmosphere and design- in to meet the operating condition of the devices, for the coil resistance increases 0.4%/degree Celsius depending on the operating ambient temperature.
7. Please feel free to contact us for the models with other coil resistances, head types of movable iron core.