

Popular 12x21x9.5mm Self-Latching Type SOLENOIDS DL1221D Series

Features

- ◁General use with 16x30x14mm dimension.
- ◁Self-latching is available at zero power consumption by installing permanent magnet

Applications

- ◁Key lock

Actual size



Products Line (at 20degree Celsius)

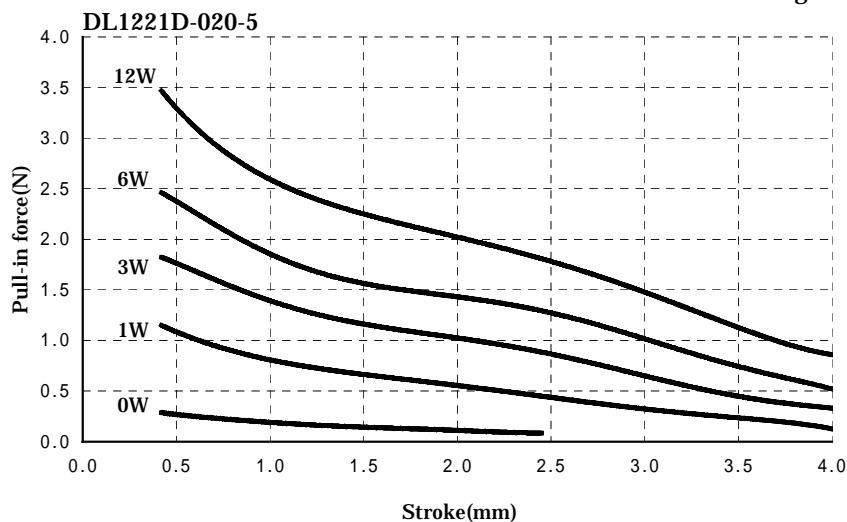
No	Products No.	Rated voltage	Coil resistance	Rated duty	Holding force Pull-in force (initial)	Coil Temperature rise
1	DL1221D-020-5	5V DC	20 ohm	ON Time 0.1sec max. OFF Time 1sec min.	1.5N min. <0V DC> <Stroke 0mm> 0.24N min. <5V DC> <Stroke 3mm> 0.2N min. <3.6V DC> <Stroke 0mm>	80deg C max. <5V DC> <Continuous>
2	DL1221D-031	5V DC	31 ohm	ON Time 0.1sec max. OFF Time 5sec min.	2.0Nmin. <0V DC> <Stroke 0mm> 0.39N min. <5V DC > <Stroke 1.8mm>	80deg C max. <2.5V DC> <Continuous>

Typical Specifications

Item	Specifications
Insulation resistance	50 megohm min. 250V DC
Dielectric strength	250V AC for 1 min.
Insulation grade	JIS E class(except lead wire)
Operating life	10,000 cycles
Operation temperature range	-20 to +60 degree Celsius
Storage temperature range	-30 to +85 degree Celsius

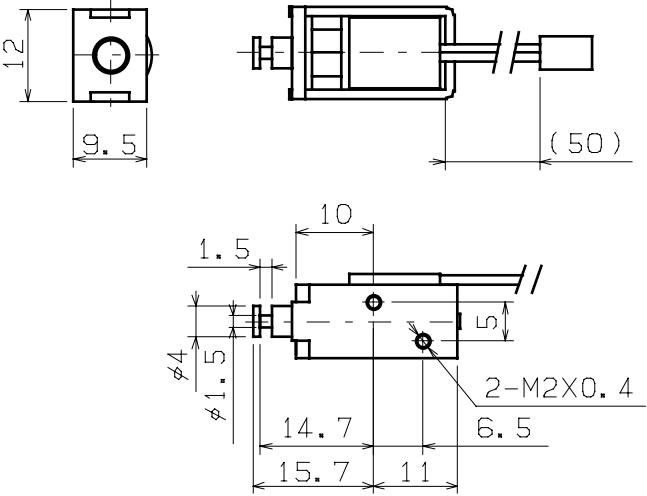
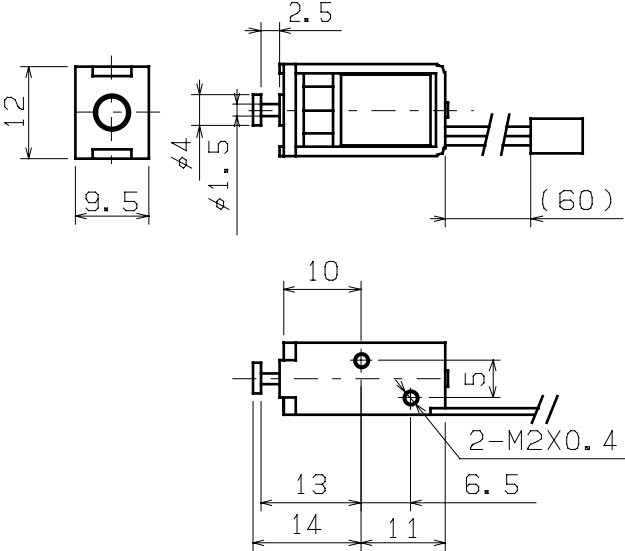
Pull-in Force (Typical value) <at 20 degree Celsius initial>

1N=102gf



Dimensions

Unit : mm

No	Style
1	<p>DL1221D-020-5</p>  <p>The dimensions at stroke 0mm</p>
2	<p>DL1221D-031</p>  <p>The dimensions at stroke 0mm</p>

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.