

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

Features

- ◇ General use with 12x21x9.5mm dimension.
- ◇ Self-latching is available at zero power consumption by installing permanent magnet

Applications

- ◇ Key lock

Actual size



Products Line (at 20degree Celsius)

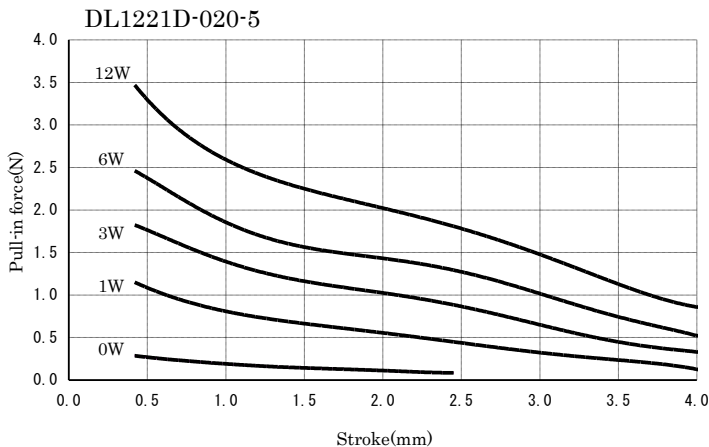
No	Products No.	Rated voltage	Coil resistance	Rated duty	Holding force Pull-in force (initial)	Coil Temperature rise
1	DL1221D-020-5	5V DC	20 ohm	ON Time 0.1sec max. OFF Time 1sec min.	1.5N min. <0V DC> < Stroke 0mm> 0.25N min. <5V DC> <Stroke 3mm> 0.22N min. <4.5V DC> <Stroke 3mm> 0.2N min. <4V DC> <Stroke 3mm>	80deg C max. <5V DC> <Continuous>
2	DL1221D-031	5V DC	31 ohm	ON Time 0.1sec max. OFF Time 1sec 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
Withstand voltage	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

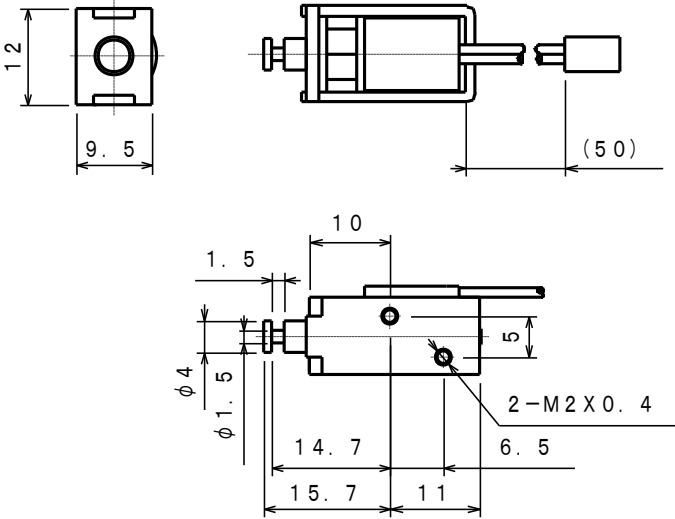
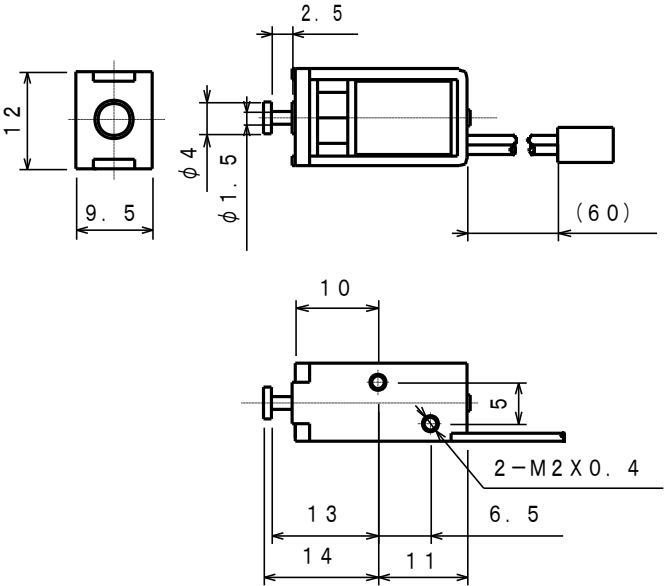
Pull-in Force (Typical value) <at 20 degree Celsius initial>

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

- The appearance and specifications of the product may be modified without prior notice to improve its performance.
- This catalogue shows only outline specifications. When using the product, please obtain formal specifications.
- Please see appendix [How to select solenoid].
- Please confirm the performance on actual operation by simulation with actual environments for high reliability.
- Please avoid the storage in dusty environment. If you store the products for a long time, do not keep open the package.
- 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.
- Please feel free to contact us for the models with other coil resistances, head types of movable iron core.