

# Popular 15x20x13mm Pull-in Type Solenoids DP1520E Series

## Features

◇High power with phi 5 iron core.

## Applications

- ◇Audio
- ◇Automatic vending machine

Actual size



## Products Line (at 20degree Celsius)

No	Products No.	Rated voltage	Coil resistance	Rated duty	Pull-in force (initial)	Coil Temperature rise
1	DP1520E-052-1A	12V DC	52 ohm	ON Time 0.5sec max. OFF Time 29.5sec min.	0.49N min. <12V DC> < Stroke 3.0mm>	20deg C max. <17V DC> <ON Time 0.5sec OFF Time 29.5sec>
2	DP1520E-096-3	24V DC	96 ohm	ON Time 1sec max. OFF Time 9sec min.	0.34Nmin. <15.5V DC> < Stroke 3.0mm>	50deg C max. <24V DC> <ON Time 1sec OFF Time 9sec>

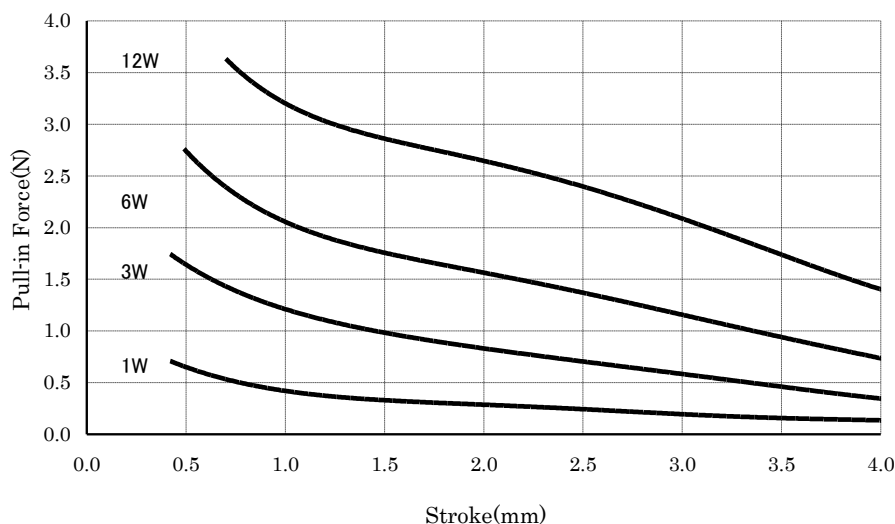
## Typical Specifications

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	DP1520E-052-1A : 30,000 cycles DP1520E-096-3 : 2,500,000 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

DP1520E-052-1A



Dimensions

Unit: mm

No	Style
1	<p>DP1520E-052-1A</p> <p>The dimensions at stroke 0mm</p>
2	<p>DP1520E-096-3</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.