

# 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

