

Self-Latching Solenoids – Thin form type

DL09 Series

1/3

Features

- Zero power consumption - Self-latching is available by installing magnet
- 4mm body thickness - space saving, high power
- Available only 3.4mm body thickness



Applications

- Stroboscope Pop-up Mechanism
- Optical disc Ejecting Mechanism (CD/DVD/BD drive)

Actual size

DL0916S2

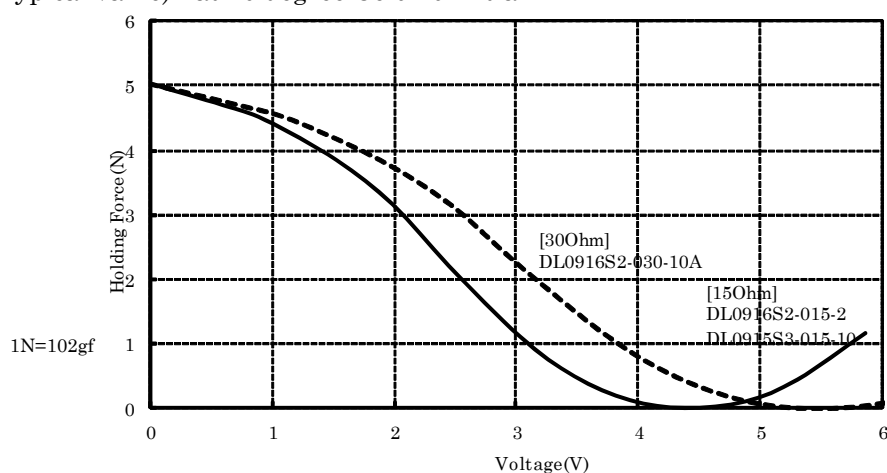
Products Line (at 20degree Celsius)

No	Products No.	Rated voltage	Coil resistance	Rated Performance	Holding Force (initial)	Coil Temperature Rise
1	DL0916S2-015-2	5V DC	15 ohm	ON Time 0.3sec max. OFF Time 5sec min.	3.9N min. <0V DC> < Stroke 0mm> 0.8N max. <4.5V DC> <Stroke 0mm>	60deg C max. <5V DC> <ON Time 0.3sec OFF Time 5sec>
2	DL0916S2-030-10A	5V DC	30 ohm	ON Time 0.1sec max. OFF Time 5sec min.	3.7Nmin. <0V DC> < Stroke 0mm> 1.2N max. <3.7V DC > <Stroke 0mm>	60deg C max. <5V DC> <ON Time 0.1sec OFF Time 5sec>
3	DL0915S3-015-10	5V DC	15 ohm	ON Time 0.1sec max. OFF Time 5sec min.	3.9Nmin. <0V DC> < Stroke 0mm> 1.0N max. <4.0V DC > <Stroke 0mm>	60deg C max. <5V DC> <ON Time 0.1sec OFF Time 5sec>

Typical Specifications

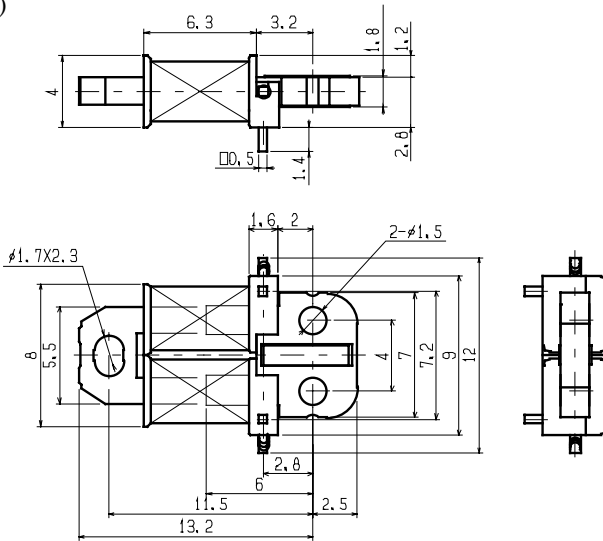
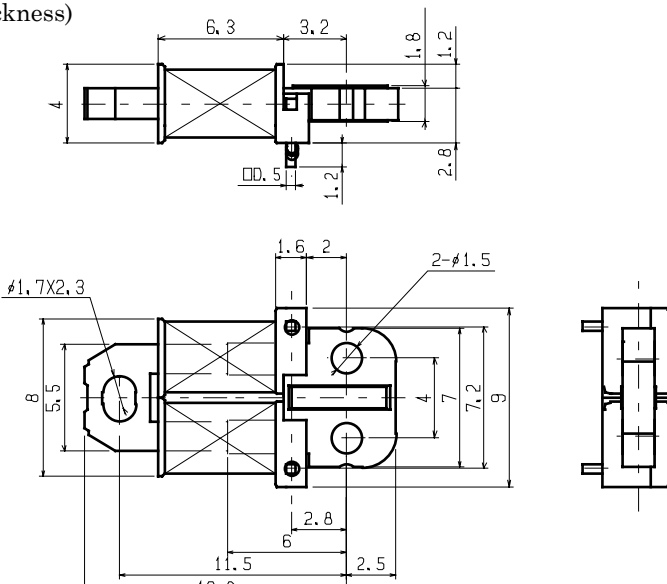
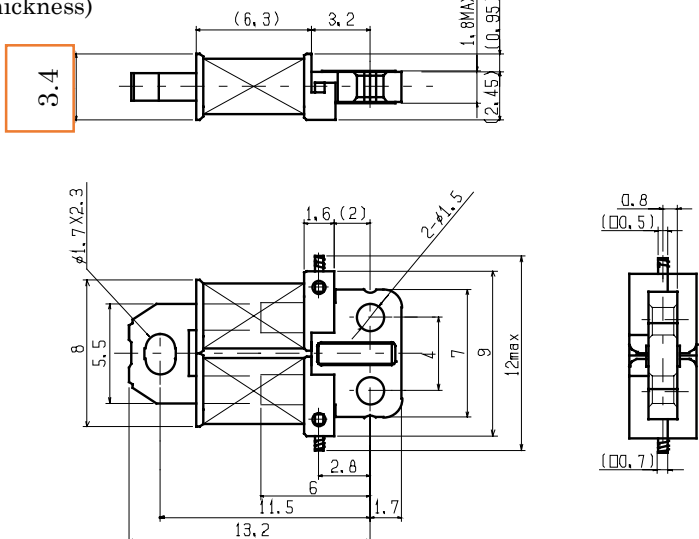
Item	Specifications
Insulation Resistance	50M ohm min. at 250V DC
Withstanding Voltage	250V AC for 1 min.
Insulation Class	JIS E (except lead wire)
Operating Life	20,000 cycles
Operating Temperature	-20 to +50 degree Celsius
Storage Temperature	-30 to +85 degree Celsius

Holding Force (Typical value) <at 20 degree Celsius initial>



Dimensions

Unit: mm

No	Style
1	DL0916S2-015-2 (Bobbin 4mm thickness)  The dimensions at stroke 0mm
2	DL0916S2-030-10A (Bobbin 4mm thickness)  The dimensions at stroke 0mm
3	DL0915S3-015-10 (Bobbin 3.4mm thickness)  The dimensions at stroke 0mm

□ Notes

1. The appearance and specifications of the products 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 device, 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.