

# MEL-100\*

## Mini Electro-Magnetic Lock 100lbs

### Introduction:

Electromagnetic locks consist of an armature and a coil assembly, which become magnetized when an electric current passes through them. This magnetic field secures the door and electronically controls when doors are locked and unlocked.

### Product Overview:

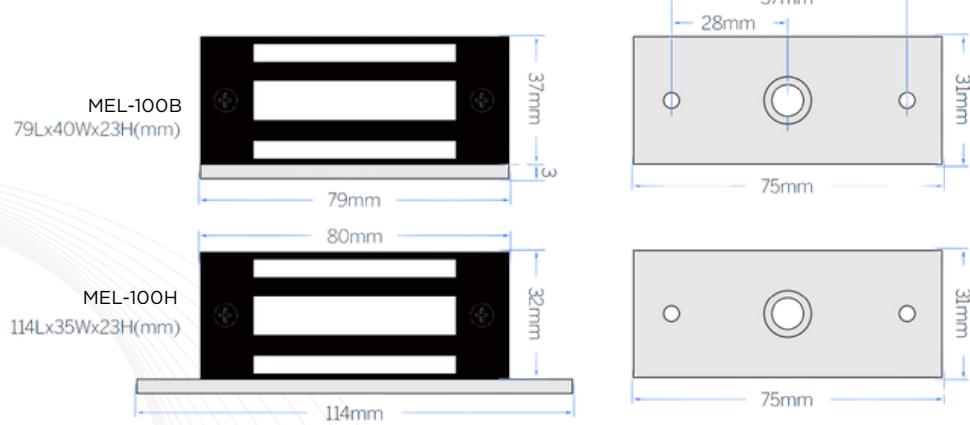
Mini Electromagnetic Lock is a compact and reliable access control solution designed for lightweight security applications. This electromagnetic lock features a robust holding force of 60kg (100Lbs), making it ideal for securing file cabinets, display cabinets, and other small enclosures. Operating on a 12V DC power supply, it ensures low power consumption while delivering consistent performance. Built with

high-quality materials, including an anodized aluminum shell and zinc-finished magnetic and armature components, this lock offers durability and resistance to environmental factors. Its fail-safe design ensures that the lock disengages in the event of a power failure, enhancing safety and accessibility.

### Salient Features

- Compact Design:** With dimensions of 79L x 40W x 23H (mm), this electromagnetic lock is perfect for space-constrained applications such as file cabinets and display cases.
- Strong Holding Force:** Provides a secure holding force of 60kg (100Lbs), ensuring reliable locking for lightweight doors and enclosures.
- Low Power Consumption:** Operates at 12V DC with a current draw of only 160mA, making it energy-efficient and cost-effective.
- Fail-Safe Operation:** Designed to unlock automatically during power outages, enhancing safety and accessibility in emergency situations.
- Durable Construction:** Features an anodized aluminum shell and zinc-coated magnetic and armature components for long-lasting performance and corrosion resistance.
- Wide Environmental Tolerance:** Operates effectively in temperatures ranging from -10°C to 55°C (14°F to 131°F) and humidity levels up to 90% (non-condensing).
- Easy Installation:** Compact size and included armature plate (75L x 31W x 10H mm) simplify installation on various door types, including narrow frames and frameless glass doors.
- Versatile Applications:** Ideal for securing file cabinets, display cabinets, and other small enclosures in commercial and residential settings.



**Dimension:****Specifications:**

| Features             | MEL-100B   | MEL-100H          |
|----------------------|--|-------------------|
| <b>Size</b>          | 79Lx40Wx23H (mm)   | 114Lx35Wx23H (mm) |
| <b>Holding Force</b> | 60kg ~ 100lbs  |                   |
| <b>Voltage</b>       | 12V or 24V DC  |                   |
| <b>Current</b>       | 12V/160mA or 24V/200mA   |                   |
| <b>Application</b>   | File Cabinet, Display Cabinet  |                   |
| <b>Temperature</b>   | Operates on $\leq 20^{\circ}\text{C}$ and $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$ ( $14^{\circ}\text{F}-131^{\circ}\text{F}$ ) |                   |
| <b>Humidity</b>      | 0~90% (non-condensing)   |                   |
| <b>Material</b>      | Iodized Aluminum Surface Texture with Zinc   |                   |