



# 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:

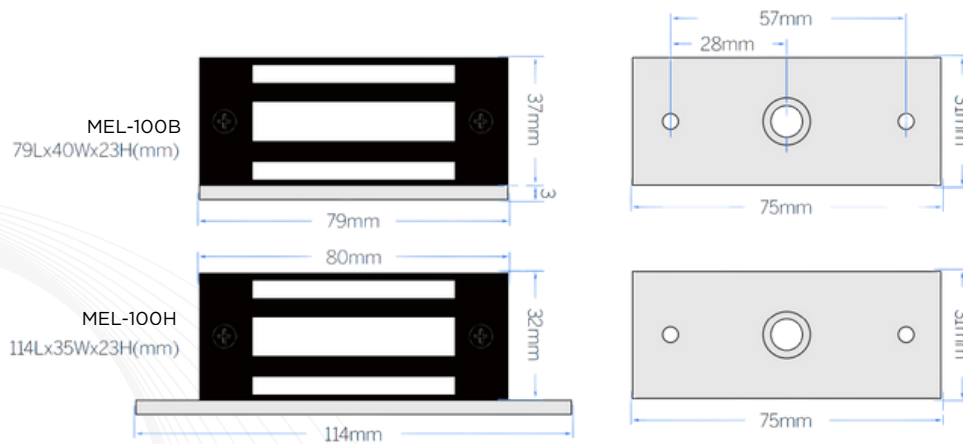
Mini Electromagnetic Lock is a compact and reliable access control solution designed for lightweight security applications. This electromagnetic lock features a robust holding force of 60kg (100Lbs), making it ideal for securing file cabinets, display cabinets, and other small enclosures. Operating on 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 $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$ ( $14^{\circ}\text{F} \sim 131^{\circ}\text{F}$ )	
<b>Humidity</b>	0~90% (non-condensing)	
<b>Material</b>	Iodized Aluminum Surface Texture with Zinc	