DHI-ASF180A-V1

Magnetic Lock



- Built of aluminum alloy and treated with surface oxidation, making it suitable for indoor scenes.
- Embedded reverse current protection equipment.
- Built with anti-wear materials and has an anti-residual magnetism design.
- Displays the status with the LED indicator.
- 5-wire that supports door detector signal feedback.
- Has a long service life, allowing it to be powered on up to 40,000 times as indicated by the aging test.
- Completely relies on the electromagnetic force and is free from mechanical failure.
- Automatically unlocks the door when the device is powered off.
- Suitable for doors made of a variety of materials such as wood, glass.
- Compatible with all Dahua access control devices, and other mainstream access control devices.

DHI-ASF180A-V1

Technical Specification

Basic

Product Type	Magnetic lock
Casing Material	Aluminum alloy
Surface Treatment	Electroplating and drawing
Suction Plate Dimensions	140 mm × 33 mm ×13 mm (5.51" × 1.30" × 0.51") (2 pecs)

Function

Signal Output	COM/NO/NC
Door Status Detection	1, relay
Security	Open while power off

Performance

Max Tension	180 kg (396.83 lb), tensile force
Unlock Angle	90°

General

Applicable Door Thickness	5 cm–15 cm (1.97"–5.91")
Power Adapter	Optional
Power Supply	12 VDC, 370 mA
Power Consumption	≤4.5 W (working)
Lifespan	40000
Product Dimensions	180 mm × 40 mm × 21.5 mm (7.09" × 1.57" × 0.85")
Packaging Dimensions	440 mm × 195 mm × 250 mm (17.32" × 7.68" × 9.84") (L× W× H, transport package)
Operating Temperature	–20 °C to +55 °C (–4 °F to +131°F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Environment	Indoor
Gross Weight	1.2 kg (2.65 lb)
Accessory	DHI-ASF180ZL-V1, DHI-ASF180L-V1, and DHI-ASF180U-V1
Installation	Surface Mount
Anti-corrosion Level	Basic Protection

Ordering Information

Type	Part Number	Description
Magnetic Lock	DHI-ASF180A-V1	Magnetic Lock

Accessories

Optional:



DHI-ASF180L-V1
Magnetic Lock Bracket

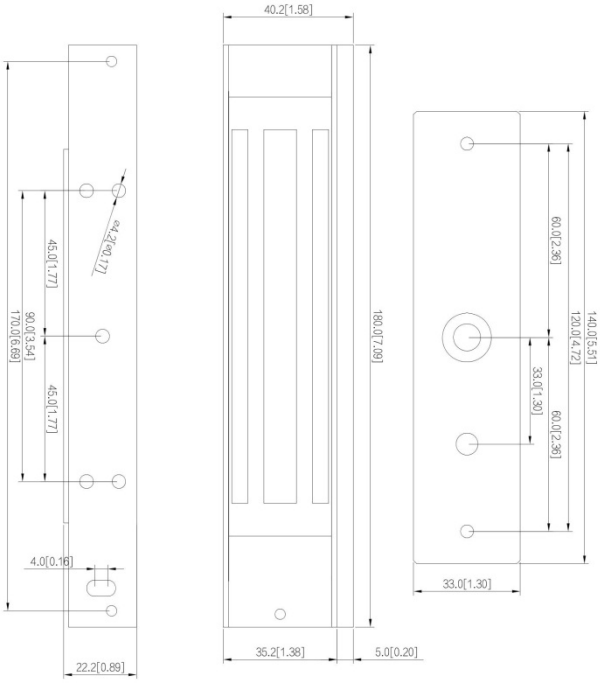


DHI-ASF180U-V1
Magnetic Lock Bracket



DHI-ASF180ZL-V1
Magnetic Lock Bracket

Dimensions (mm[inch])



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