

CUSTOM MAGNETIC DOOR LOCK MDL Datasheet

Project: Magnetic Door Lock (MDL)
Revision: 0
Date: 11/22/16
Industry: Building Automation

Specifications

Operation

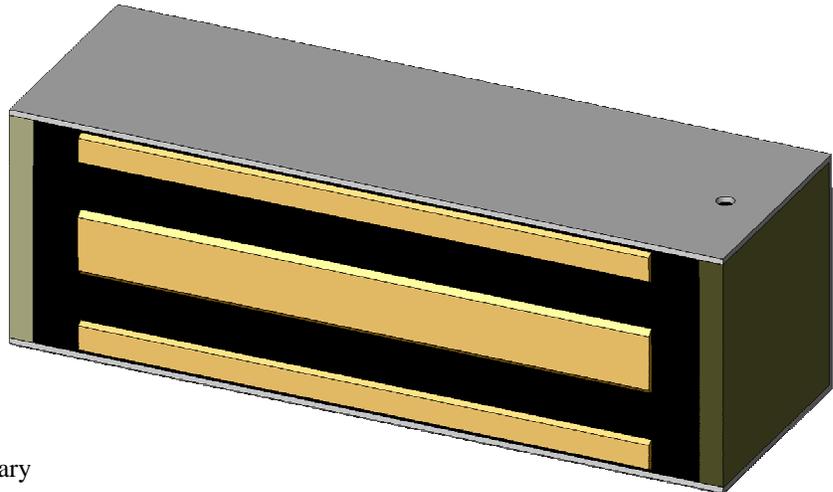
Continuous Duty Electromagnet

Physical

Footprint: 2-1/2" x 2-1/2" x 7-1/2"
Holding Force: > 1200 lb
Armature Size: 1/2" x 2-1/2" x 7-1/2"
Temperature Range: -40 to 140°F
Mounting Features: Not Shown, Proprietary

Electrical

Power System: External DC Power Supply
Voltage: 12 +/- 1 vdc
Current: 0.5 A nominal
ON Time: Continuous
Duty Cycle: 100%
Lead Wires: 24", 22 AWG Copper Wire



This customer needed a compact holding magnet to control doors throughout a building automation project. The electromagnet required a high holding force and very low power consumption. The low power consumption allowed the installation of more electromagnets using the same power supply, which helped drive down their costs.

Unique to this project, and not shown, are the proprietary mounting features of this customer's application. We worked with the customer to help design these features and protect them from unnecessary disclosure through diligent IP protection efforts. This has helped our customer establish their niche in building automation.

At Preston Solenoid, we work with our customers to help them achieve their goals. Contact us to see if you might make use of our capabilities and experience. We will be glad to provide you with a budgetary estimate and initial design proposal, all at no cost or obligation.