

2961

Magnetic Shear Lock

Overview:

- Concealed, high security, Fail Safe locking mechanism
- Incorporates floating armature assembly and special alloy steel locking tabs on both lock and armature assemblies
- May be adjusted both vertically and laterally to compensate for wide door gaps and warped or misaligned doors
- Ideal for commercial grade hollow metal and wood doors and frames and Herculite doors with top rails



PRODUCT SPECIFICATIONS

FEATURES:

- 2,000 lbs (907 kg) holding force without current inrush or high operating temperature
- 8" x 1-1/2" (203 mm x 38 mm) lock
- Integrated electronics
- 1-5/8" (41 mm) depth for 1-3/4" - 2" (44 mm - 51 mm) frames
- Armature supplied with lock (specify type required - ITC, FTC, or HTC)
- Door static sensor ensures door is at rest and aligned, before the magnet is permitted to energize (eliminates the potential for lock misalignment)
- Lateral adjustment of shear tabs to compensate for warped or misaligned doors, permitting accurate locking
- Vertical adjustment of both the armature and the adjustable delay relock sensor compensates for wide door gaps
- Unique floating action for easy armature lift when the magnet is energized and provides ability to overcome wide door gaps
- Alloy shear tabs ensure continued high holding force
- No profiling of the soft armature steel that may be prone to wear and reduced holding force
- Advanced electronic circuitry that incorporates door static, positioning and timed relock sensor and automatic voltage sensing for 12/24 VDC input
- Noise dampeners reduce the noise associated with locking and unlocking

MBS OPTION:

- Bond sensor indicates proper armature contact or reduced holding power due to improper armature contact or tampering
- SPDT 0.25 amp

DPS OPTION:

- Door position switch indicates door open or closed
- SPDT 0.25 amp maximum

HTR OPTION:

- Herculite top rail armature adjustment bracket for leading edge adjustments

RELATED PRODUCTS:

- 2-679-0600 Wood door reinforcement box (sold separately)

AUTOMATIC VOLTAGE SENSING INPUT:

- 650/350 mA @ 12/24 VDC

LOCK BODY DIMENSIONS:

- 8" (l) x 1-1/2" (w) x 1-5/8" (d)
- 203.2 (l) x 38.1 (w) x 41.3 (d) mm

ARMATURE ASSEMBLY DIMENSIONS:

- 8" (l) x 1-1/2" (w) x 7/8" (d)
- 203.2 (l) x 38.1 (w) x 22.2 (d) mm

ITC ARMATURE:

- Standard mounting armature kit for aluminum and hollow metal doors with 7/8" to 1-1/8" deep top channels, wood doors, and factory prepared hollow metal flush edge doors

FTC ARMATURE:

- Mounting kit for field prepared horizontal mounting in hollow metal doors with flush edge

HTC ARMATURE:

- Mounting kit for 1-15/16" deep Herculite channels