



CHECK NEW PRODUCTS SECTION FOR NEW INNOVATIVE SOLUTIONS

Table of Contents - Electromechanical Locks

400 Series Electromechanical Locks F1-F2

- 405 PowerBolt
- 406 PowerBolt
- 442 Cabinet Lock
- 443 Cabinet Lock Battery-Powered

Schlage L-Series Electrified Lock F3

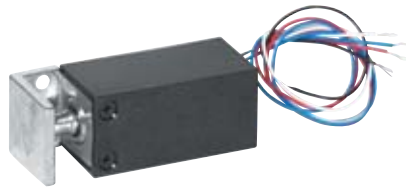
Schlage D-Series Electrified Lock F4

Notes

400 Series Electromechanical Locks



442S
Cabinet Lock



443BP
Cabinet Lock



405S PowerBolt

406S PowerBolt

Cabinet Locks

442S Cabinet Lock

The 442S is a fail secure, solenoid driven cabinet lock. It can be mounted horizontally or vertically to control access to a cabinet. The 442S can be controlled by any kind of access control system that provides a dry contact output. Its small size and versatile mounting position make it ideal for many applications for controlling access to a small opening.

443BP Cabinet Lock

The 443BP battery-powered cabinet lock incorporate an integral motor, powered by four standard AA size alkaline batteries. Operates with PRO 78/79 Battery Powered Keypads with resident on-board controller mounts on the exterior of frame opening. All components connect easily at the frame.

No outside wiring is required.

Satin Chrome finish only.

PowerBolts

405 PowerBolt

The 405 PowerBolt is a mortise, right angle deadbolt with a 3/4" bolt and a 3/4" throw. It is available fail safe (standard) or fail secure (405S). Additional applications include top and doors and all glass doors with the HDB405 herculite door bracket for 1/2" or 3/4" glass doors with no top rail.

406S PowerBolt (Mechanical Key Override)

The 406S PowerBolt is a fail secure, mortise right angle deadbolt with a 3/4" bolt and 3/4" throw. Cylinder housing accepts 1-1/8" to 1-1/4" straight cam cylinder.

NOTE: Electromechanical locks not recommended where life safety may be compromised, or where panic bar hardware is the only means of egress.

Mortise mount electric bolts furnished in Satin Aluminum Finish.

400 Series Electromechanical Locks

How To Order 400 Series Electromechanical Locks

405 – DBS – HDB405

Select Model	
Select Option	
Select Accessories	

1. Select Model

PowerBolts

- 405** Rectangular Front, Fail Safe
- 405S** Rectangular Front, Fail Secure
- 406S** Rectangular Front, Fail Secure

Cabinet Locks

- 443BP** Battery-Powered
- 442S** Fail Secure

Fail Secure Lock – Requires power to unlock
 Fail Safe Lock – Requires power to lock

2. Select Options

PowerBolts

- ARSB** Auto Relock Switch (ball type mechanical)
1A @ 120VAC or 28VDC
- ARSM** Auto Relock Switch (Magnetic type)
200mA @ 12 VAC/VDC
100mA @ 24 VAC/VDC
- BPS** Bolt Position Switch
SPDT 7A @ 250VAC
- DSB** Door Status Switch (Ball type mechanical)
SPDT 1A @ 120 VAC or 28 VDC
- DSM** Door Status Monitor (magnetic type)
- RC1** Rectifier with filter (for AC voltage operation)
Input: 12/24VAC
Output: 1A @ 12/24 VDC

Note: Ball type mechanical options cannot be ordered with magnetic type options.

Cabinet Lock

- RCP** Rectifier (external module) for 442S only

3. Select Accessories

- HDB405** U bracket for 1/2" or 3/4" glass door (for 405, 405S only)
- MT** Mounting tabs (for 405, 405S only)

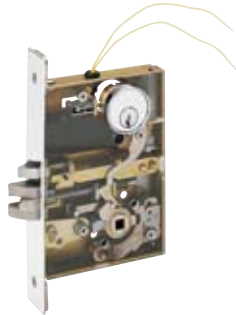


Specifications:

- PowerBolts**
- Input Voltage:** 12/24 VDC
Dual voltage, field selectable
- Current Draw:** .9A @ 12VDC
.45A @ 24VDC
- 405/405S**
- Bolt Size** 3/4" diameter
3/4" throw
- Overall Size*** 8" x 1 1/2" x 1 5/8"
- 406**
- Bolt Size** 3/4" diameter
3/4" throw
- Overall Size*** 10" x 1 1/2" x 1 5/8"
- *Depth from face of cylinder plate. Accepts 1 1/8" + 1 1/4" straight cam cylinder.
- Cabinet Lock 442S**
- Input Voltage:** 12/24VDC
Dual Voltage, field selectable
- Current Draw:** .5A @ 12VDC
.25A @ 24VDC
- 442S/443BP**
- Overall Size** 3" x 1" x 1"

L-Series Electrified Locks

L9080PEL & L9080PEU



L9080PEL
L9080PEU

Applications: Security control centers, cashier rooms, fire safety exits, stairwell doors, telephone equipment rooms, computer rooms, hospital equipment, and narcotics areas.

Regulating Devices: Recognition Systems HandReaders®, wall switches, security consoles, access card readers, thermo-sensitive devices, smoke and fire alarms, telephone access controls, automatic time devices, and computerized controls.

All installations should be in accordance with local electrical codes and National Electrical Code, NFPA 70.

Electrical Requirements for EL or EU

Voltage: 24V AC or 24V DC (Maximum 29V, Minimum 20V)
Peak Current: Amps 1.3 at 5 to 10 second intervals
Holding Current: Amps .135 between peak current intervals.
Operating Temperature: Maximum +151°F, Minimum -31°F

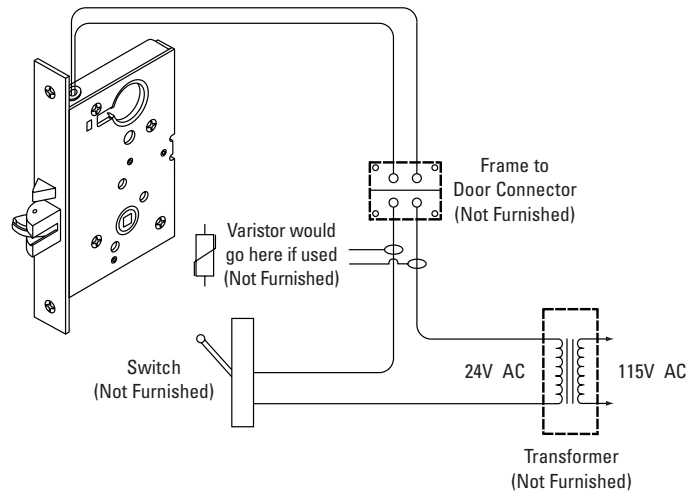
Micro Switch Electrical Requirements for Request to Exit (RX) Function

Amps, 1.0; Volts, 24 AC or DC
Peak Load: Amps, 5; Volts, 250 AC or 28 DC

Replacement Kit

L283-053–Solenoid and Driver, EL or EU

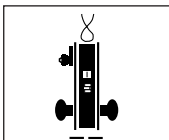
Typical Wiring Diagram for Electrified L-Series Locks



Typical Installation

- Electrified L-Series locks contain a transistorized circuit which provides full voltage to the solenoid upon initial application of electrical power and at 5 to 10 second intervals.
- Each lock should preferably have its own 24 volt transformer. Two or more locks may be operated in parallel from a single transformer provided it has the necessary current rating.
- **NOTE: DO NOT connect locks in series from a higher voltage rated transformer.**
- We DO NOT recommend that these locks be connected to a supply circuit that also contains electromagnetic devices. If an electromagnetic device is connected to the supply circuit the resulting transient voltages could damage the lock. The transient voltage must be carefully suppressed at the equipment producing them before connecting the lock to the same circuit.
- A varistor rated at 35 volts (peak recurrent) may be used for transient voltage protection.

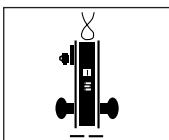
L9080EL



Electrically Locked (Fail Safe)

Outside knob/lever continuously locked by 24V AC or DC. Latch bolt retracted by key outside or by knob/lever inside. Switch or power failure allows outside knob/lever to retract latch bolt. Auxiliary latch deadlocks latch bolt when door is closed. Inside knob/lever always free for immediate exit.

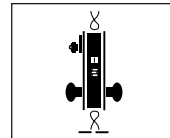
L9080EU



Electrically Unlocked (Fail Secure)

Outside knob/lever unlocked by 24VAC or DC. Latch bolt retracted by key outside or knob/lever inside. Auxiliary latch deadlocks latch bolt when door is closed. Inside knob/lever always free for immediate exit.

L9080EL-RX L9080EU-RX



Request To Exit (RX) Electrified Lock

Same as L9080EL and L9080EU functions. In addition, a micro switch positioned inside the lock case monitors the retractor crank, and is actuated when rotation of the inside or outside knob/lever rotates the retractor hub. The switch signals the use of that opening to security systems, allowing a non-disruptive means of immediate egress. Specify per L283-059 for normally closed contacts (default). Specify L283-125 for normally open contacts. (Previously XL11-807)



D-Series Electrified Lock



ELECTRICAL REQUIREMENTS

Voltage

24V AC or 24V DC

Holding Current

Amps .15 or .35

Operating Temperature

Maximum +151°F (+66°C),

Minimum -31°F (-33°C).

Note: All installations should be in accordance with local electrical codes.

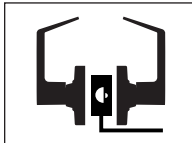
D-Series locks are available for electrically locking and unlocking controls for high security and fire safety applications. They are UL Listed and rated for both fire and electrical single point locking on labeled doors. Refer to the lock function pages for function and design availability.

Functions

Non-Keyed Locks

SCHLAGE ANSI

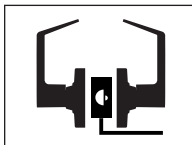
ND12DEL



Electrically Locked (Fail Safe)

Outside lever continuously locked electrically. Unlocked by switch or power failure. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

ND12DEU



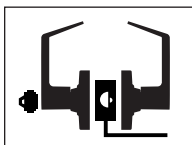
Electrically Unlocked (Fail Secure)

Outside lever continuously locked until unlocked by electric current. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

Keyed Locks

SCHLAGE ANSI

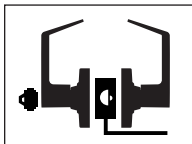
ND80PDEL



Electrically Locked (Fail Safe)*

Outside lever continuously locked electrically. Unlocked by key outside or by switch or power failure. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

ND80PDEU



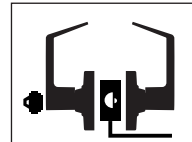
Electrically Unlocked (Fail Secure)*

Outside lever continuously locked until unlocked by key or electric current. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit.

Vandlgard® Functions

SCHLAGE ANSI

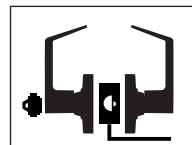
ND96PDEL



Electrically Locked (Fail Safe)*

Outside lever continuously disengaged electrically. Unlocked by key outside or lby switch or power failure. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

ND96PDEU



Electrically Unlocked (Fail Secure)*

Outside lever continuously disengaged until unlocked by key or electric current. Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit. Vandlgard is designed to disengage outside spindle from latch when in locked condition.

* Available functions for small format interchangeable core.