



3520- 600 Electromechanical Deadlocking Latch



RR Brink



For More information please call 210-123-4567

Electric Locks

3520-600 Electromechanical Deadlocking Latch



APPLICATION

- The 3520-600 series is ideal for access control in secure areas of commercial, industrial, governmental, and institutional buildings.
- The 24VDC gearmotor facilitates remote unlocking even when an abnormally high ≥ 600 pound side force is applied against the latch.*
- Electrical functions allow for latch retraction and projection from a remote control point as well as manual key unlocking at the door.
- Commonly used in medium security correctional facilities to provide remotely controlled electric unlocking of detention area sleeping room and exit doors.
- The narrow depth of the 3520-600 permits mortise mounting in a standard (i.e. 2" trim) hollow metal door frame or an architectural metal tube (e.g. borrowed light frame mullion).
- Impact tested to Security Grade 1 per ASTM F1450 and F1577.
- Installation of the 3520-600 is architecturally unobtrusive and affords superior impact and tamper resistance

(Note: Not recommended for maximum security detention applications.)

STANDARD FEATURES

- Structural and locking parts are stainless steel.
- All other parts and fasteners are copper alloy or stainless steel.
- 3/4" throw cast stainless steel latch with two (2) saw resistant inserts.
- Maintained Switch Latch Holdback (MSLH) function (see "Motor Lock Function Reference Guide" for other functions).
- Lock status switch (LSS) trips when latch is in deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked at any time. Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Models 201023 or 201030 are recommended.
- Mechanical operation via customer supplied standard commercial key cylinder with "Yale" type cam. (Factory supplied key cylinder optional.) For stop (push) side frame keying see optional "Key Cylinder Extension" (KCE).
- Plug connectors for ease in wiring and removal.
- Exposed fasteners – pinned "Torx" head
- Exposed Faceplate- Satin Stainless Steel – (ANSI 630, US32D)

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OPTIONAL FEATURES

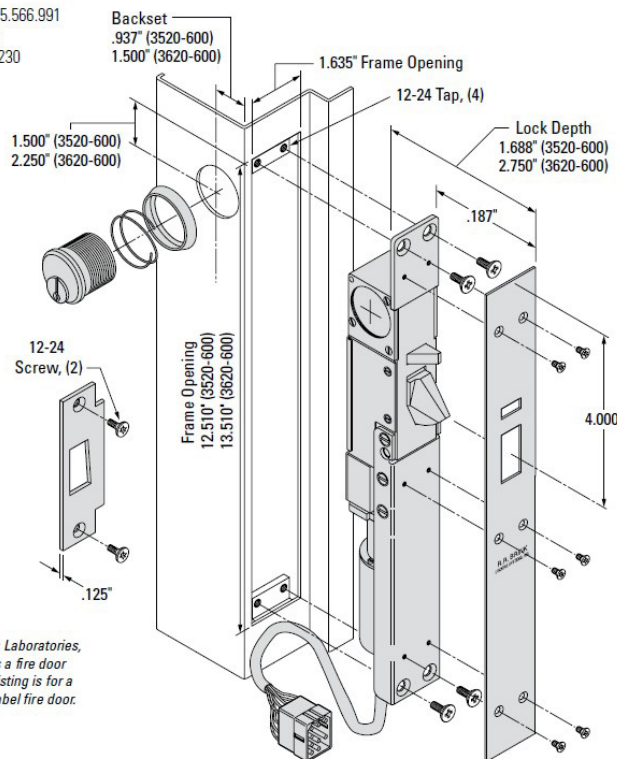
- **FKC** – Factory supplied high security key cylinder with a tapered, free-spinning, spring loaded collar – two change keys/cylinder.
- **MOG** – Supplied with RRBLS proprietary 2" diameter 6-pin cylinder. Note: With this option, the lock requires a 3" minimum frame face. Model designation is 3620-600.
- **EURO** – Lock is adapted for key operation with an Europrofile cylinder – available with 25mm or 45mm backset.
- **KCE** – Stop (push) side key cylinder extension extends working length of a standard or mogul mortise key cylinder to adapt to jamb depths within a range of 4" to 9" (advise jamb depth dimension). Customer supplied cylinders must be factory fitted to each KCE.
- **MLH** – Mechanical latch holdback by key – latch remains retracted with key removed – available with single side keying only – not available with EURO or Mogul key cylinders.
- **CKS** – Factory key cylinder modification and an internal limit switch produce a key switch feature-which electrically actuates the lock by one way only rotation of the change level key. This feature can be rendered inoperative by switch from a remote control panel. Mechanical unlock-ing is by a master level key. This feature is indicated when it is desirable to restrict periods when key unlock-ing is possible, e.g. building access or prison inmates who carry a key to their cell.
- **RC** – Rectifier with plug-in adapter permits 24V A C input

U.S. patents #4237711 & #5,566,991
Canadian patent #1110462
Great Britain patent #2014230

3520-600 with standard cylinder shown
Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



Underwriters Laboratories, Inc. listing as a fire door accessory. Listing is for a 3-hour "A"-label fire door.



ELECTRICAL DATA

Gearmotor	Permanent magnet type – 1.0 ampere current limited at full load. Voltage must be 24VDC, +5% -10%. A regulated power supply is recommended for optimum performance.
Lock Status Switch	120/250VAC, 5 amp, SPDT (Form C)

Model	Description	Key Cylinder Extension (KCE)
3522-600	3520-300 keyed one side	Required if key cylinder is mounted on stop (push) side of frame
3526-600	3520-300 keyed two sides	Required on stop (push) side of frame



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