

AC5020 EUKL

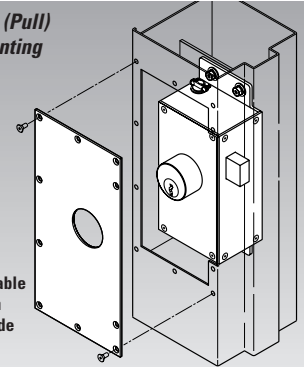
Electromechanical Automatic Deadlocking Bolt High Security and Impact Resistant – 1" Throw

120VAC Solenoid Actuated and Manual Key Unlocking – Jamb Mounted



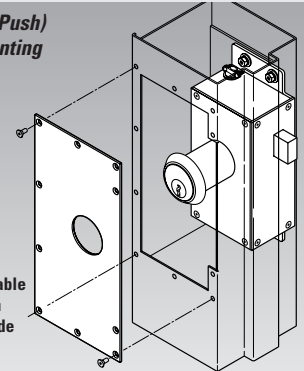
*Hinge-Side (Pull)
Frame Mounting*

Locate removable
cover plate on
non-secure side
of frame



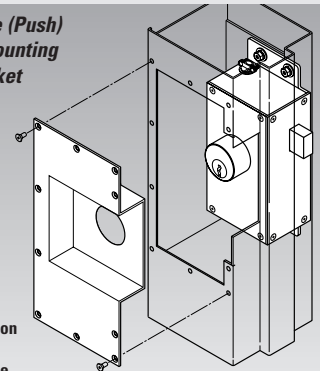
*Stop-Side (Push)
Frame Mounting
with KCE*

Locate removable
cover plate on
non-secure side
of frame



*Stop-Side (Push)
Frame Mounting
with Pocket*

Locate
removable
cover plate on
non-secure
side of frame



R.R. BRINK LOCKING SYSTEMS, INC.
500 Earl Road • Shorewood, IL 60404
Tel: 815-744-7000 • Fax: 815-744-7020
www.rrbrink.com

Application

- The 5020 EUKL is an electromechanical deadbolt used primarily to secure emergency exit doors which are normally locked.
- Unlocking can be initiated by a remotely located switch and/or automatically (e.g. actuation of a fire alarm). When unlocked electrically, the 5020 EUKL must be relocked manually by key at the door (i.e. electric unlock, key lock). This feature precludes inadvertent or intentional locking of a means of egress during an emergency situation.
- Electric unlocking is accomplished by a 120VAC solenoid actuator. Deadbolt retraction is quick and accompanied by a noticeable clap sound.
- Mechanical deadbolt retraction by pin tumbler key cylinder – commercial or “Prison Mogul” types.
- The Model 5020 EUKL normally is jamb mounted in a steel door frame (14 gauge minimum) in a specially fabricated and reinforced lock pocket (or mortar box).
- Impact tested to Security Grade 1 per ASTM F1450 and F1577.
- When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance heating strip is recommended when the lock may be subjected to extreme freezing conditions.

AC5020 EUKL

Electromechanical Automatic Deadlocking Bolt – 1" Throw High Security/Impact Resistant

120 VAC solenoid actuated and manual key unlocking via standard or Mogul key cylinder – jamb mounted

Standard Features

- Lock case and made cover of 10 gauge steel, electroplated for corrosion resistance
- Bolt made of saw-resistant hardened steel with a full 1" throw and 3/4" x 1-1/2" cross section.
- Cast stainless steel strike plate.
- Working parts are high strength bronze or stainless steel.
- Lock status switch (**LSS**) trips when the bolt is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. *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 Nos. 201030 or 201090 are recommended.*
- Fitted for mechanical operation via either RRBLs proprietary "Mogul" or user's commercial key cylinder. (Factory supplied commercial key cylinder optional.) For stop side only or both side frame keying, the frame manufacturer must provide stop (push) side cylinder access or optional "key cylinder extension" (**KCE**). Key cylinder(s) must be factory assembled in lock.
- Available cylinder finishes – Satin Brass (ANSI 606, US4) or Chrome (ANSI 626, US26D)
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned "Torx" head

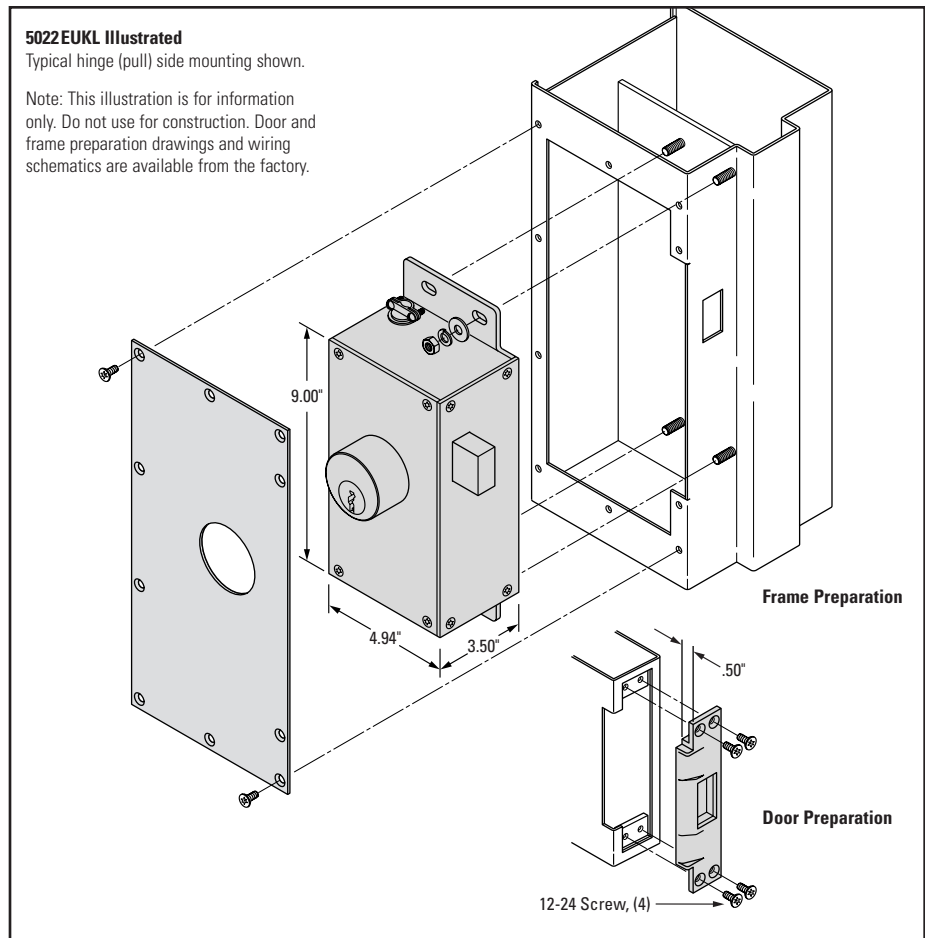
Electrical Data

- Solenoid – 120VAC – 10 ampere in-rush, 0.75 ampere seated
- Lock Status Switch – 125/250VAC, 5 amp, SPDT (Form C)

5022 EUKL Illustrated

Typical hinge (pull) side mounting 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.



Optional Features

- **FKC** – Factory supplied high security commercial key cylinder with collar – two change keys/cylinder
- **MOG** – Supplied with RRBLs Mogul proprietary 2" diameter 6-pin cylinder. UL listed locking cylinder (UL-437). Keys are ordered separately.
- **KCE** – In lieu of a conventional stop (push) side key cylinder access opening in the frame, a key cylinder extension extends



the working length of a commercial or Mogul key cylinder to adapt to outside jamb depths. This option applies to one side stop or both side keying only. Customer supplied cylinders must be factory fitted to each KCE. (Jamb depth dimension required with order.)

Ordering Information

5020 EUKL – Solenoid Actuated Series

Model	Description
5021 EUKL	5020 EUKL keyed stop side only
5022 EUKL	5020 EUKL keyed hinge side only
5026 EUKL	5020 EUKL keyed both sides

Consult with our technical service personnel regarding custom applications such as retrofits to existing lock installations and special mounting situations.

Example: 5026 EUKL – FKC – LHR – Hinge-Side (PULL) – US26D

Model & Keying

5021 EUKL
Keyed stop side
5022 EUKL
Keyed hinge side
5026 EUKL
Keyed both sides

Optional Features

See the "Optional Features" section above for description and symbol.

Hand of Lock

See our "Hand of Locks Reference Guide" for description and symbol.

Removable Cover Plate Frame Side

Hinge-Side (PULL)
Stop-Side (PUSH)

Key Cylinder Finish

US4 or US26D (standard)



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