

ANSI Grade 1
Extra Heavy Duty

LF Series

Cylindrical Lock



klaccki®
life unlocked.

LF Series Cylindrical Lock

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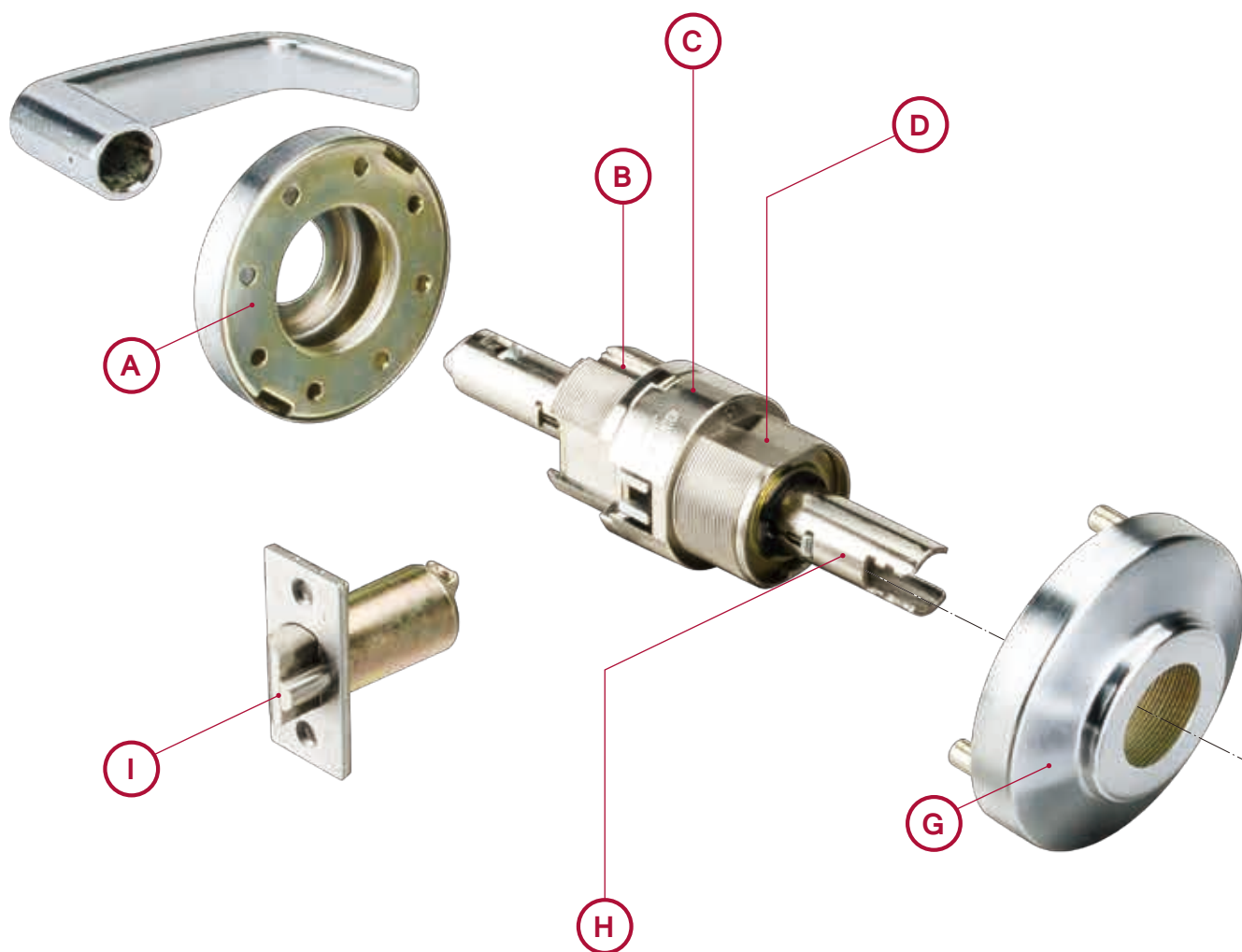
Cylindrical Lock

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Features



Improved designs, Improved performance

Klacci puts product quality as a priority and continuously seeks ways to improve their product performance.

This product has been designed, tested and verified with the goal of not only conforming to the strict requirements of ANSI/BHMA A156.2, but exceed them. Klacci is proud to present you with a product that surpasses all limits.

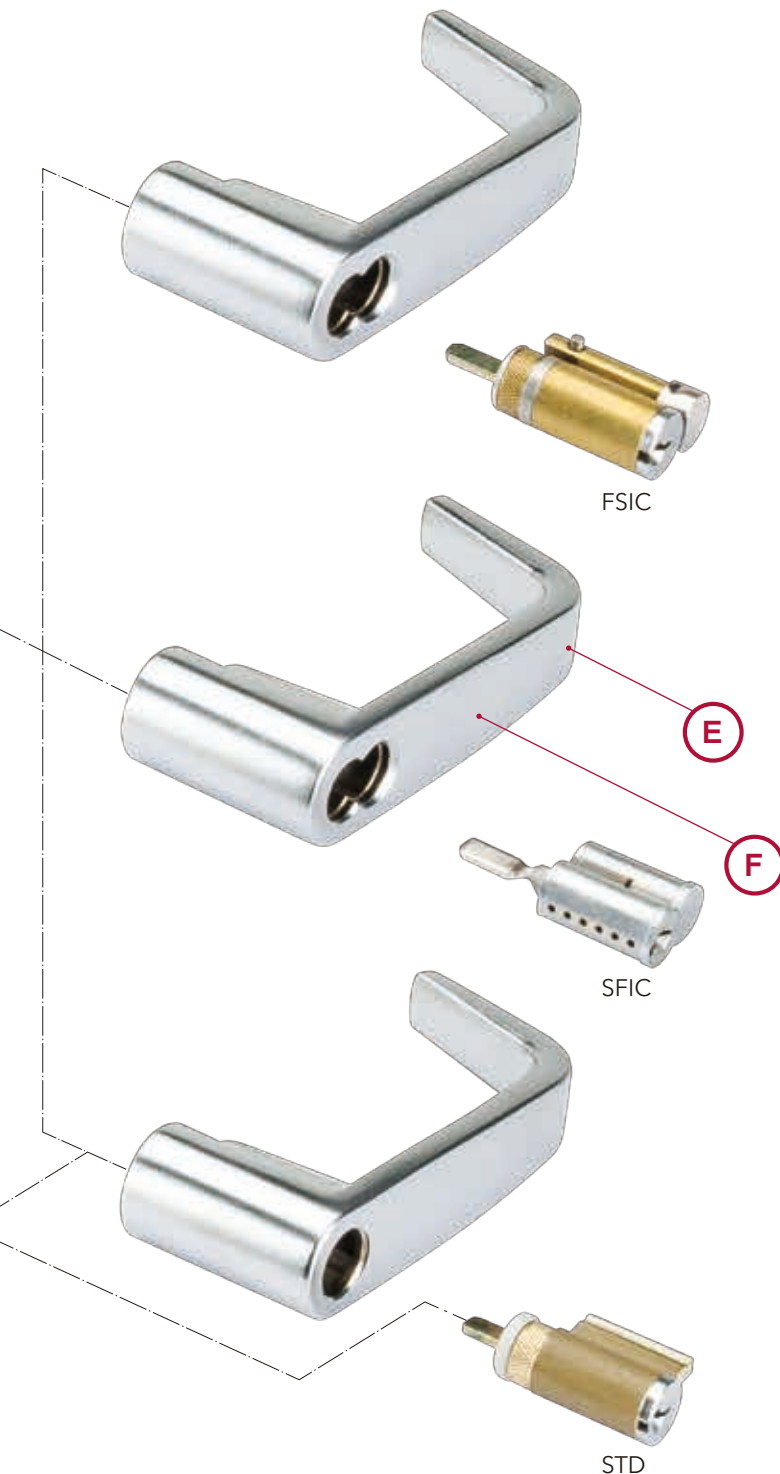
The LF Series cylindrical locks have been designed using advanced design concepts and the most rigorous of testings, taking product quality to a whole new level of performance and durability.

New features

- Improved Chassis Hubs add overall Strength.
- Spring cartridge prevents lever sagging.
- Spindle provides durability.
- Exceeds by more than twice the minimum cycle requirements described in ANSI/BHMA A156.2.
- Chassis compatible with 3 types of lever: Standard, SFIC, FSIC.
- One-step and Two-step Rose designs available to choose from.

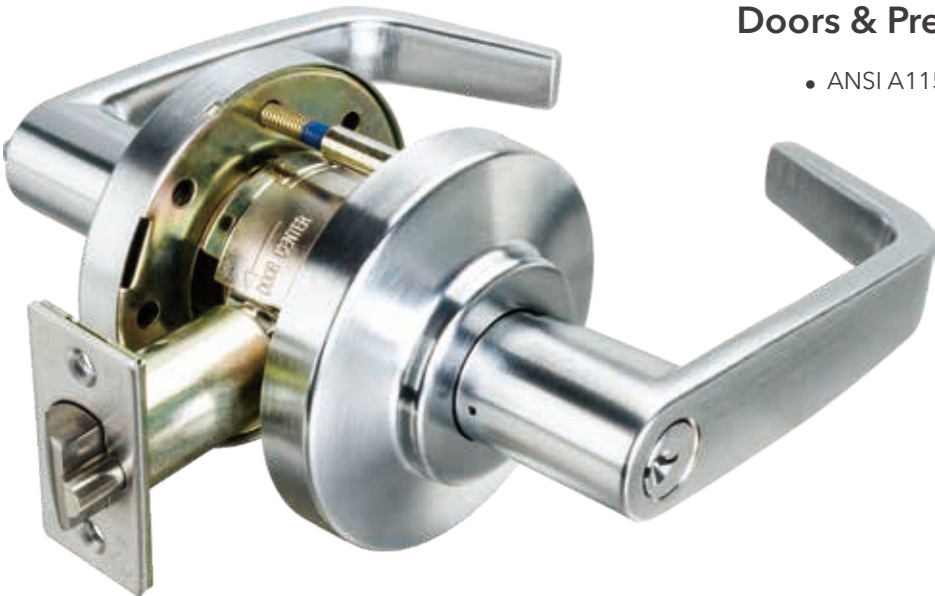
About

- Heat treated heavy gauge cold rolled steel spindles have outstanding torque resistance.
- Easy to install, with no special tools required.
- Can retrofit into existing door preparation for most manufacturers.
- Suitable for 1-3/8" to 2" door thickness ranges. For customized thickness, please consult factory.
- Compatible with electric (solenoid) functions.



- A** Heavier rose liners material provides more attack resistance.
- B** The chassis is designed to resist forcible entry attempts; it exceeds Grade 1 abusive load without showing signs of breakage.
- C** The outside and inside hubs provide increased wear resistance against spindle.
- D** The spring cartridge inside the hub adds stability to the lever, effectively prevents the lever from sagging over high traffic usage.
- E** Standard clutch feature provides protection against abusive conditions.
- F** Special handle options such as Knurled Lever or Anti-microbial Coating available.
- G** Threaded outside rose assembly adjustable for door thickness without removing keyed lever.
- H** Spindle design provides outstanding performance and durability which is reflected in the product's long life cycle. Furthermore, its design allows the simultaneous application of FSIC, SFIC and STD cylinders, which provides a versatile application range.
- I** Latchbolt designed with a smooth curved surface, thus reducing friction.

Specifications











Doors & Preparations

- ANSI A115.2, through bolted installation.

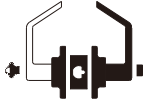
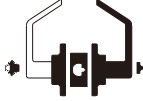
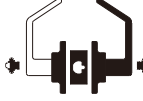
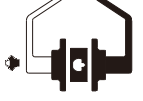




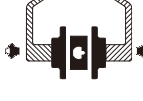
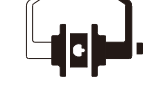
Certification/Compliance	<ul style="list-style-type: none">• UL listed for "A" label (3 hours) single swinging door (4'x8').
Backset	<ul style="list-style-type: none">• 2-3/4" standard, 2-3/8", 3-3/4" and 5" optional.
Door Thickness	<ul style="list-style-type: none">• Standard 1-3/8" to 2" wood or metal door.• 2-1/4", 2-1/2" and 3" are customizable.
Latchbolt	<ul style="list-style-type: none">• 1/2" throw, UL listed, faceplate self-adjusted, 3/4" throw fire door deadlatch available.
Handing	<ul style="list-style-type: none">• Non-handed.
Strike	<ul style="list-style-type: none">• ANSI strike standard, T-strike or Full lip strike optional.
Cylinder	<ul style="list-style-type: none">• 6-pin "C" keyway standard, nickel silver keys, compatible with Schlage® original cylinder.
I/C Core	<ul style="list-style-type: none">• 6 or 7-pin. Compatible with Best® and Falcon® original cylinder.
Trim	<ul style="list-style-type: none">• Solid zinc diecast levers, wrought brass roses, concealed screws.
Master Keying	<ul style="list-style-type: none">• Can be masterkeyed or grand masterkeyed. Construction key systems available.

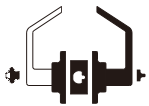
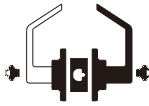
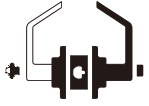








Finishes

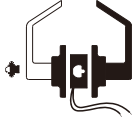
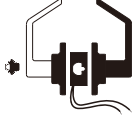
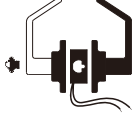
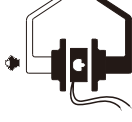
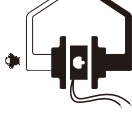
A wide selection of finishes are available to match with your door and other hardware.

Color		ANSI/BHMA	US	Color		ANSI/BHMA	US
	Polished Brass	605	3		Dark Oxidized Satin Bronze	613	10B
	Satin Brass	606	4		Polished Chrome	625	26
	Polished Bronze	611	9		Satin Chrome	626	26D
	Satin Bronze	612	10		Satin Stainless Steel	630	32D

Functions

Function Code Number		Description	ANSI/BHMA
Mechanical functions			
00(C)		Entry Lock <ul style="list-style-type: none"> • Outside lever unlocked with key when push-button pushed. • Push-button locks outside lever. • Turning inside lever releases button. • Inside lever always free for immediate exit. 	F82
01(C)		Entry/Office Lock <ul style="list-style-type: none"> • Key retracts latchbolt when button pushed and turned. • Outside lever unlocked with key when push-button pushed. • Turn/push-button: pushing and turning button locks outside lever until manually unlocked. • Inside lever always free for immediate exit. 	F109
02(C)		Store Door Lock <ul style="list-style-type: none"> • Latchbolt retracted by lever from either side. • Turning key locks or unlocks both levers simultaneously. 	F91
03(C)		Classroom Lock <ul style="list-style-type: none"> • Outside lever locked or unlocked by key. • Key cannot retract latchbolt. • Inside lever always free for immediate exit. 	F84
04(C)		Communicating Lock <ul style="list-style-type: none"> • Latchbolt retracted by lever from either side. • Turning key locks or unlocks both levers independently. 	F80
05(C)		Storeroom Lock <ul style="list-style-type: none"> • Outside lever always disengaged. • Entrance by key only. • Inside lever always free for immediate exit. 	F86
06(C)		Apartment Lock <ul style="list-style-type: none"> • Latchbolt retracted by key when locked by inside key. • Outside lever locked or unlocked by key. • Inside lever always free for immediate exit. 	F88
08(C)		Corridor Lock <ul style="list-style-type: none"> • Outside lever locked or unlocked by key. • When locked by key it can only be unlocked by key. • Push-button locks outside lever. • Turning inside lever or closing door releases button. • Inside lever always free for immediate exit. 	F90
09		Institutional Lock <ul style="list-style-type: none"> • Outside lever fixed. • Entrance by key only. • Inside lever fixed. • Exit by key only. 	F87
10(C)		Patio Lock <ul style="list-style-type: none"> • Push-button locks outside lever. • Turning inside lever or closing door releases button. 	F77

Function Code Number		Description	ANSI/BHMA
Mechanical functions			
H1(C)		Hotel/Motel Guest Room Lock <ul style="list-style-type: none"> • Outside lever always disengaged. • Entrance by key only. • Push-button disables all keys except the emergency key. • Inside push button provides lockout feature by keeping indicator thrown. • Turning inside lever or closing door releases button. • Inside lever always free for immediate exit. 	F93
13(C)		Intruder Classroom/Security Lock <ul style="list-style-type: none"> • Outside lever locked or unlocked by key from either side. • Inside lever always free for immediate exit. 	F110
15(C)		Service Station Lock <ul style="list-style-type: none"> • Key retracts latchbolt when button pushed and turned. • Outside lever unlocked with key when push-button pushed. • Turn/push-button: pushing and turning button with locking device (e.g. screwdriver) locks outside lever until manually unlocked. • Turning inside lever or closing door releases button. • Inside lever always free for immediate exit. 	F92
20(C)		Privacy Lock <ul style="list-style-type: none"> • Can be opened from outside with emergency release(e.g. screwdriver). • Push-button locks outside lever. • Turning inside lever or closing door releases button. • Inside lever always free for immediate exit. 	F76A
21(C)		Hospital Privacy Lock <ul style="list-style-type: none"> • Can be opened from outside with emergency release(turn-button). • Push-button locks outside lever. • Turning inside lever or closing door releases button. • Inside lever always free for immediate exit. 	
30		Passage Lock <ul style="list-style-type: none"> • Outside lever always unlocked. • Inside lever always free for immediate exit. 	F75
40		Single Dummy Trim <ul style="list-style-type: none"> • Inactive trim for one side of door. • Used for door pull or as matching inactive trim. 	
42		Double Dummy Trim <ul style="list-style-type: none"> • Inactive trim for both sides of door. • Used for door pull or as matching inactive trim. 	
50		Exit Latch <ul style="list-style-type: none"> • Outside lever fixed. • Inside lever always free for immediate exit. 	F89
60		Communicating Passage Lock <ul style="list-style-type: none"> • Non removable blank plate. • Inside lever always free for immediate exit. 	F111
63(C)		Communicating Classroom Lock <ul style="list-style-type: none"> • Non removable blank plate. • Inside lever locked or unlocked by key. 	F113

Function Code Number		Description	ANSI/BHMA
Electrical Functions			
05(C) RX		Storeroom Lock - Request to Exit <ul style="list-style-type: none"> • Outside lever same as 05(C). • Inside lever same as 05(C). • A microswitch attached to the chassis is activated when the lever is rotated. • The switch signals use of the inside lever to security systems allowing non-disruptive exit. 	
05(C) EU		Storeroom Lock - Electrically Unlocked (Fail Secure) <ul style="list-style-type: none"> • Outside lever continuously locked until unlocked by key or electric current. • When locked, key retracts latchbolt. • Inside lever always free for immediate exit. 	
05(C) EL		Storeroom Lock - Electrically Locked (Fail Safe) <ul style="list-style-type: none"> • Outside lever continuously unlocked until locked by electric current. • When locked, key retracts latchbolt. • Inside lever always free for immediate exit. 	
05(C) EU-RX		Storeroom Lock - Electrically Unlocked (Fail Secure) with Request to Exit <ul style="list-style-type: none"> • Outside lever same as 05(C) EU. • Inside lever same as 05(C) EU. • A microswitch attached to the chassis is activated when the lever is rotated. • The switch signals use of the inside lever to security systems allowing non-disruptive exit. 	
05(C) EL-RX		Storeroom Lock - Electrically Locked (Fail Safe) with Request to Exit <ul style="list-style-type: none"> • Outside lever same as 05(C) EL. • Inside lever same as 05(C) EL. • A microswitch attached to the chassis is activated when the lever is rotated. • The switch signals use of the inside lever to security systems allowing non-disruptive exit. 	

*(C) denotes clutch function; when locked, the outside knob/lever will disengage from the lock mechanism and rotate freely.

Miscellaneous

Trims

Made of high-quality zinc alloy and available in wide range of finishes.



D



Q



A

Additional Options

Anti-microbial Coating

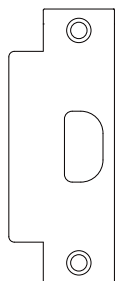
An optional anti-microbial coating can be applied. Specially formulated to prevent bacterial growth on door handle surface. Suitable for high-traffic applications in high-sanitary demanding locations. To order, add prefix AC.

Knurled Lever

Grooves are machined onto the outer lever for an improved grip. Sensory warning for blindness or other safety applications in hazardous area.

To order, add prefix KL.

Strikes

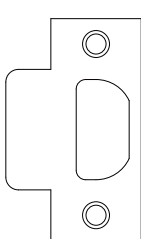


D27

ANSI Strike

4-7/8" x 1-1/4"

Lip length 1-3/16"

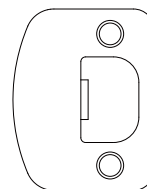


B27

T-Strike

2-3/4" x 1-1/8"

Lip length 1-1/8"



CR27

Full Lip 1/4" Radius Corner Strike

2-1/4" x 1-3/4"

Lip length 1-3/16"

Cylinders

Cylinders are precision built to extremely close tolerances and highest standards of accuracy. Made of solid brass, these high-precision 6 or 7 pin cylinders offer high security and reliability. Keys are made of white nickel silver. Interchangeable with other manufacturers' cylinders.



Standard Cylinder



SFIC I/C Core



FSIC I/C Core

Latches



Fire Door Deadlatch

3/4" projection, 2-3/4" Backset.
2-1/4" x 1-1/8"



Deadlatch

1/2" projection, 2-3/4" Backset.
2-1/4" x 1-1/8"



Springlatch

1/2" projection, 2-3/4" Backset.
2-1/4" x 1-1/8"

Extension Link

To join appropriate extension link with 2-3/4" backset latch for required backset.



2-3/4" Backset

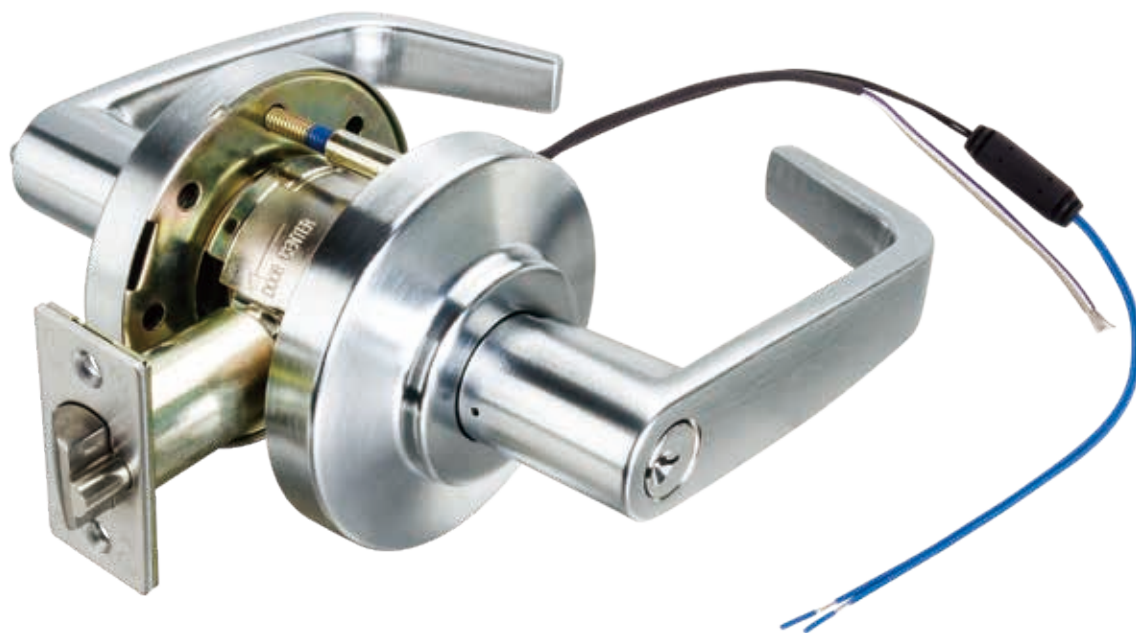


**Link for
3-3/4" Backset**



**Link for
5" Backset**

Electrical Options



LF Series cylindrical locks are also available for electrified options for access control systems in high-security applications.

Options

RX - Request to Exit

The RX feature is used to signal the use of an opening. Equipped with one internal SPDT switch which monitors the turning of the lever. The device can be connected to a security console or may be used as a single door alarm when used with a horn and power supply.

EL - Electrically Locked (Fail Safe)

Fail Safe locks require power to lock. In the event of a power outage the door will automatically unlock, thus ensuring a safe egress during emergency situations.

EU - Electrically Unlocked (Fail Secure)

Fail Secure locks require power to unlock. In the event of a power outage the door will automatically lock, thus preventing access and protecting all assets within it.

The use of this feature is not permitted on fire doors.

Electrical requirements

Electrified functions - EU/EL

- 24 Volts AC/DC +/- 10%
Operating current 0.145 Amp.
- 12 Volts AC/DC +/- 10%
Operating current 0.293 Amp.

- * All solenoids are continuous duty type.
- * White heat shrinkable tubings on solenoid leads designates 12 volt.

RX - Functions

- Voltage 250 VAC.
Current rating 1 Amp.
Wire leads 22 AWG.

The 3-wire utilizes a UL recognized SPDT switch providing a choice of:

- * For normally closed operation use the white (COM.) and gray wires.
- * For normally open operation use the white (COM.) and purple wires.



How to Order

Device	Ordering Example									
	LF	1	A	1	-	01(C)	626	3	B27	MK
	LF	2	Q	2	AC	05(C) EU	625	1	C27	KA
Model LF										
Rose Design 1 One-step 2 Two-step										
Trim A A type lever D D type lever Q Q type lever										
Cylinder 1 Standard 2 SFIC 3 FSIC										
Additional Options AC Antimicrobial Coating KL Knurled lever										
Function Code (see page 6)										
finish 605 (US3) 611 (US9) 613 (US10B) 626 (US26D) 606 (US4) 612 (US10) 625 (US26) 630 (US32D)										
Backset 1 2-3/8" (60 mm) 2 2-3/4" (70 mm) 3 3-3/4" (95 mm) 4 5" (127 mm)										
Strikes B27 T-Strike CR27 Full Lip 1/4" Radius Corner Strike D27 ANSI Strike										
Keying KD Keyed-different KA Keyed-alike MK Master keyed										

Warranty

Klacci ("Company") warrants to the original purchaser ("Purchaser") that the products manufactured and provided under the Klacci® brand shall be free of defects in material and workmanship under normal use and service as follows: (a) mechanical locks for 5 years; (b) electrified products for 1 year, and (c) finishes for 1 year. The Purchaser shall be obligated to store, transport, install, maintain and operate the products in accordance with good practice and reasonable maintenance works, and has followed specific instructions from the Company. Furthermore, the cost incurred in removing and installing a replacement product is not included in the warranty. Upon return of a defective product, Klacci may repair or replace the product.

The present warranty does not cover:

1. Scratches, abrasions, deterioration due to the use of paints, solvents and other chemicals.
2. Normal wear and tear.
3. Lack of proper maintenance.
4. Abuse or any damage caused by improper installation, sabotage or misuse of the product.
5. Improper storage, shipping and handling.
6. Failure to follow instructions or guidelines provided by the Company.

Klacci makes no representations or warranties concerning any modification or installation along with other brand products that can potentially impact its intended operation or cause malfunction. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please follow its installation instructions accordingly or consult with a code specialist or local code official (authority having jurisdiction) to ensure compliance with all applicable codes and ratings.

Note:

- The warranty becomes effective from the date of shipment.

Contents in this catalog are for reference and illustration only. Shipments subject to actual productions. Please consult factory for final discretion.

These products and systems are under patent protection, counterfeiting not allowed.



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