

Type FF

Isolation Interlock



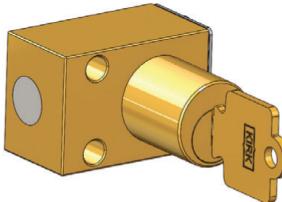
KIRK Type FF is the smallest of the KIRK bolt interlocks. It is a key operated mechanical interlock that is suitable for electrical switchgear. The standard unit comes with a stainless steel 1/2" diameter locking bolt with a throw or travel of 3/4". The locking bolt is used to inhibit or block the rotation or movement of operating handles or toggles of electrical switchgear. Many suppliers of switchgear equipment have mounting provisions available for KIRK interlocks.

OPERATION

Type F key operated mechanical isolation interlock

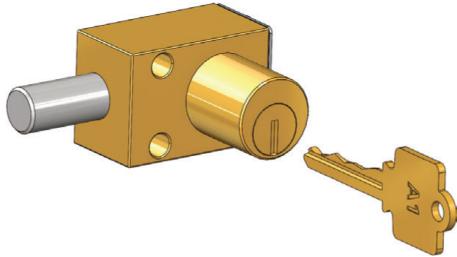
1

Key is trapped, bolt is withdrawn.



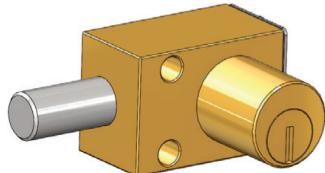
2

Change state of power, turn key, which extends bolt, releasing key



3

Bolt is now a physical barrier to switch and key is free to move to the next sequential interlock in the safety process.



The bolt is available in various lengths to suit each unique application. The travel of the bolt is always 3/4".

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USAGE

The KIRK Type FF is designed for smaller spaces and is the smallest of the KIRK bolt interlocks.

KIRK bolt interlocks should be used on equipment as a physical barrier to electrical switches, push buttons, or levers. KIRK bolt interlocks ensure that once the equipment is switched into the desired position as defined by the end user's safety process and following the operations of the interlock, the switch is now blocked from changing state until the procedure is reversed.



KIRK isolation interlocks are not designed to serve as an access interlock into hazardous areas.

No hazardous substances were used in the manufacturing of the product. The product can be disposed of in standard waste receptacles.

INSTALLATION

The KIRK Type FF is face mounted through the front of the housing. Proper installation of bolt interlocks is a critical element of a key interlock system. It is essential that each interlock be mounted so that the lock bolt cannot be extended unless the equipment on which it is mounted is in the proper position/condition. After installation of the bolt interlocks, the complete interlock system should be tested sequentially by person(s) familiar with the entire system, the key sequence, and its intended purpose. Any problems or discrepancies must be corrected prior to energization.

SD series (brass) interlocks are supplied with a key in each cylinder.

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TECHNICAL DATA

Type FF	SD Series
Interlock Housing	Brass
Cylinder Housing	Brass
Plug/Inner Turn Shaft	Brass
Key Material	Nickel-Silver
Key Style	7-Pin Tumbler
Lock Bolt	Stainless Steel
Type of Mounting	"Surface mounted using suitable fasteners. Refer to drawing for details."
Temperature Ratings	-65°F to +250°F
Weight*	.75 pounds

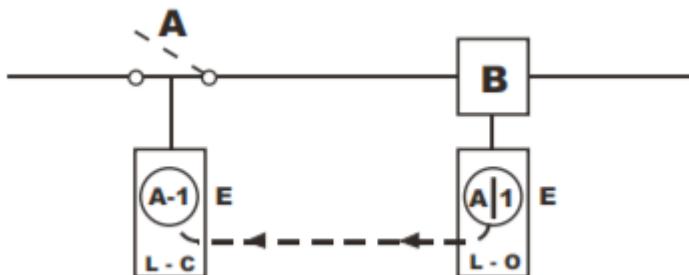
* Weight based on product with 1 cylinder, 0" bolt length, no key, accessories, or mounting hardware

APPLICATION

An example application is to prevent the opening of switch A when breaker B is closed.

Initial system status: Power is on and Switch A and Breaker B are in the closed position. Key A-1 is held in Breaker B Type FF interlock.

To begin maintenance of switchgear system, open Breaker B and turn key A-1 in L-O (locked open) Type FF bolt interlock on Breaker B to lock open. Key A-1 is now free. Insert key A-1 into L-C (locked closed) Type FF bolt interlock on Switch A and turn and unlock. Open Switch A and key A1- is now trapped.



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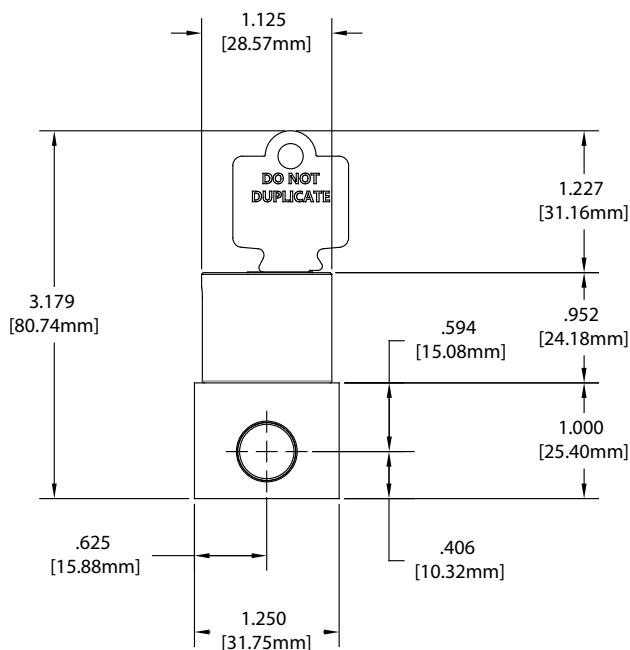
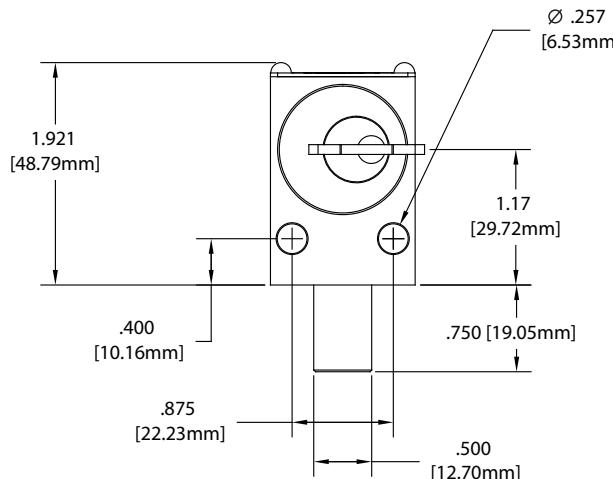
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DRAWING

Dimensions: in inches

SD Series Type FF



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ORDER INFORMATION

Part number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	K	F	F	—						S	—	—		

1	Series	K = SD Series (brass)									
5, 6, 7	Bolt Projection (in withdrawn position) Maximum bolt projection for both series is 3"	0	0	0	0", 0 mm	1	0	0	1", 25.4 mm		
		0	2	5	1/4", 6.4 mm	1	2	5	1-1/4", 31.7 mm		
		0	3	7	3/8", 9.5 mm	1	3	7	1-3/8", 34.9 mm		
		0	5	0	1/2", 12.7 mm	1	5	0	1-1/2", 38.1 mm		
		0	6	2	5/8", 15.8 mm	2	0	0	2", 50.8 mm		
		0	7	5	3/4", 19.1 mm	3	0	0	3", 76.2 mm		
SD Series - max cylinders 1											
8, 9	Cylinder(s) 1 = E 1 CYL 1 = W 1 CYL	1	0	= E 1 CYL							
		1	1	= W 1 CYL							
10	Stamp Key Interchange max. 5 alphanumeric characters	S = Yes									
13	Mounting Bolts see mounting bolt data sheet	— = No T = Tamperproof									
14	Roll Pin	— = No L = 3" Roll Pin									Minimum bolt length 0.37" required when adding a roll pin. Specify orientation at time of order, 'A' is default.

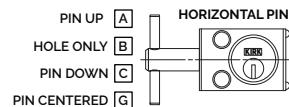
Roll Pin:

Bolt locks can be ordered with a 3" pressed-in mechanical extension (Roll Pin). Roll Pins may be used when a standard bolt is not capable of interfering/blocking a device as intended.

By specifying a Roll Pin the 'Pin Up' (A) orientation will be chosen by default.

Please contact your Kirk representative for custom orientations.

Example of F Lock with Roll Pin



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 Tel: +1 234.209.9301 Email: sales@kirkkey.com

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