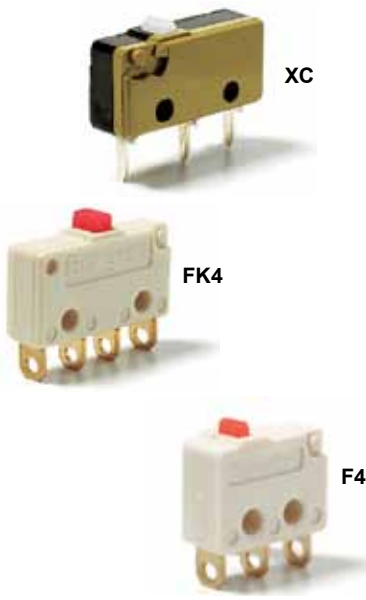


Innovating Motion is a monthly update exclusively on innovative motion solutions including new product information, educational articles and industry news from Johnson Electric and other expert sources.



Switch solutions for locking applications

Johnson Electric is the “Secure” choice for locking application switches. We have served countless applications for all products in the security industry, including:

- Door locks of all kinds, for all markets
- Medical instrumentation
- Pharmaceutical dispensing
- Vending
- Fork lifts
- Munitions

Here are three of our most popular switches that are ideally suited for locking applications.

XC

- Prison door lock mechanisms
- Trips a solenoid to release a latch for remote operation
- High operating force

FK4

- Pneumatic timers
- Actuates time delay for remote reset for a door lock
- Small size double break

F4

- Surface mount electromechanical lock
- Indicates “locked state” for remote monitoring
- Small size

[Click here for more information...](#)

Industrial Design: Outsource Custom Solutions or Use Off-the-Shelf Standard Components?



In “The Hidden Cost of Standard Parts,” *Machine Design* (11/22/08), Robert Humphrey, President & CEO, Humphrey Products Co., Kalamazoo, MI, explores the notion that building designs using standard components may not be as economical as you think compared to outsourced, customized solutions:

“Engineers often think that assembling finished products from standard components is efficient — if they just look at the price of the parts. But look at the time it takes to bring a concept into production and you may see a whole different picture.”

[Click here for the entire article...](#)

Solutions for Material Handling

Johnson Electric offers component products and value-added assembly solutions for a broad spectrum of material handling applications. In addition to our motor, solenoid and switch products, we provide full electronic design capability for your prototype or production requirements. From entry level single speed on/off operation to sophisticated variable speed control with or without feedback, Johnson Electric offers the manufacturing scalability and responsiveness to meet all your requirements.

Typical Applications

- Lift trucks
- Conveyors
- Hoists and cranes
- Paper handling
- Packaging machinery
- Sorters

[Click here for more information...](#)



New Saia® UAL Series: Advanced Performance Linear Stepper Motors

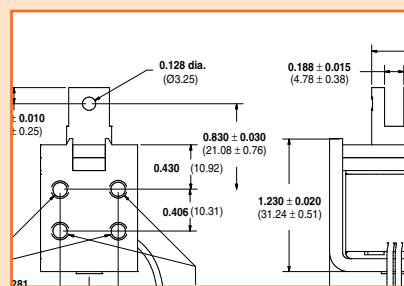
Features and Benefits

- Constant positioning force over full travel
- Compact design envelope
- NEMA 23 mounting flange
- Flexible design to accommodate many custom requirements

Functional Advantages

- Unipolar or bipolar
- Position force to 400 N
- Strokes to 300 mm
- Flexible mounting

[Click here for more information...](#)



Did you know?...

CAD files are available on-line for all Ledex solenoids (Imperial models only). CAD files can be downloaded free of charge.

[Click here for more information...](#)

For more information, [click on the links below](#) to visit any of these Johnson Electric product brand websites:

DC Operated Solenoids

LEDEX



Switches

saia
burgess
BAR
th contact



Steppers, Synchronous Motors & Gearboxes

saia



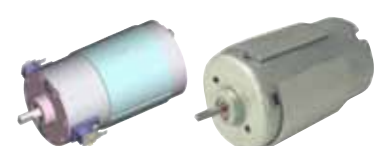
AC Operated Solenoids & Laminates

DORMEYER



PMDC Motors

JOHNSON MOTOR



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