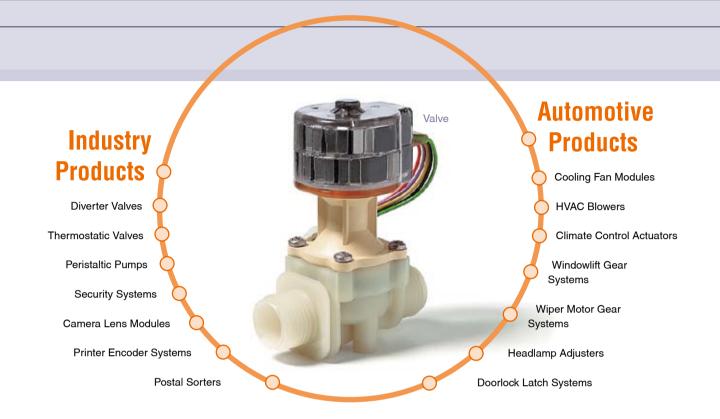
Tel.: (+34) 902 450 160 Fax: (+34) 902 433 088 info@ermec.com www.ermec.com ERMEC, S.L. MADRID C/ Sagasta, 8, 1^a planta E-28004 Madrid (Spain) PORTUGAL portugal@ermec.com



Examples of some of the solutions that we provide:







As a leader in providing innovative motion solutions, we have the experience and expertise in combining motor, switch, solenoid, gear and motion control technology to provide our customers with leading edge products. Our various product capabilities include vending machine gearboxes, motors with encoder systems, pumps, blowers, windowlift and wiper motor gear systems, electronic speed controlled motion systems, etc..



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Motion Solutions & Actuators



Our precision motion expertise in DC motor plus excellence in precision plastics and gears, have enabled us to provide innovative gear systems used in applications such as camera focus and zoom systems, power curtains and toilet seat systems, etc..



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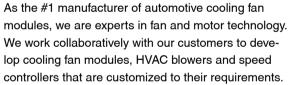


With unparalleled expertise in developing complete actuator systems, we are #1 in automotive HVAC actuators and headlamp adjusters, providing customers with the flexibility of simple to complex positioning, direct or bus controlled, and fast response with maximum reliability products. Other products include interior lighting switch systems, doorlock latches, gear shifter, brake transmission shift interlock, accelerator pedal box systems, ABS switching system, etc..











Cooling Fan Modules from Johnson Gate

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Motion Solutions & Actuators



Saia Water Valve Solutions

With our proven expertise in stepper motion solutions, we have become #1 in providing HVAC water and gas valve solutions. Other products include level indicator, thermatic valve, squeeze pump and diverter valve.



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PRODUCTS







JOHNSON MOTOR

- #1 provider of PMDC, brushless, AC and universal motors for power tools, home appliance, business equipment, personal care and audio-visual markets
- Motor and component technology combined with application expertise, scale and production efficiency
- 3 million motors per day capacity
- New products include high voltage DC for dishwasher drain pump, stand mixer and vacuum cleaner power brush



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PRODUCTS

Motors



saia

- #1 in stepper motors
- Precision and efficiency
- Products include stepper and synchronous motors, stepper with gearbox used in industrial applications from 10 to 60mm diameter
- Large variety for motor-gear combination
- Customer-specific solutions-oriented with a high degree of flexibility





- #1 in piezoelectric motors and stages
- Nanomotion's product line ranges from single element motors for actuation to larger motors for driving typical stages, and they operate with no intrinsic magnetic fields and no moving parts
- Motors provide unlimited travel in a compact package, with the ability to achieve unmatched precision for linear or rotary motion
- Typical applications include semiconductor and flat panel equipment, fiber optics manufacturing, storage media manufacturing and test equipment, bio-medical and pharmaceutical manufacturing, metrology and general automation



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PRODUCTS





saia

- High volume production lines for micro switches with less than 3 mm contact gap
- High precision switch operating position, small tolerance
- High operating speed / frequency
- High electrical ratings and longer life cycles
- Snap action function with leaf-spring and coil-spring mechanisms available
- Many switch contact options (low and high current)
- Wide range of switching characteristics and terminal options
- Strong in home appliance applications
- · Sure switch contacts with contact wiping

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PRODUCTS



burgess

- · Strong in industrial automation
- · World's first snap action switch company
- · Expert innovative switch solutions
- Solid products fulfill high requirements in robustness
- · Largest variety in switching technologies
- Worldwide widest range of micro switches
- Low-volume capabilities





- Panel mounted switches such as illuminated pushbutton and keylock switches, as well as joysticks and emergency stop switches for control panels
- Best modular design so that various permutations can easily be assembled
- Worldwide reseller channel







BAR

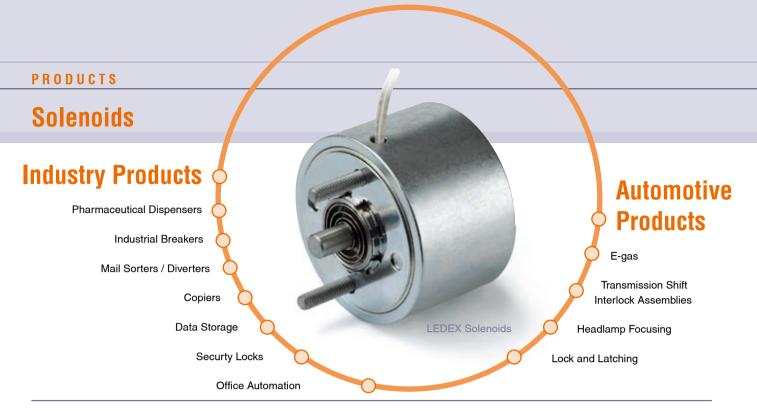
- Innovative switch solutions for home appliances
- · Setting industry standards
- Rocker, push-button and door switches with customized styling
- Intelligent switch combined with electronic controller
- Safety and comfort solutions in switch functions for the home appliance market
- Experts in optical styling for operators and tactile feel for switches



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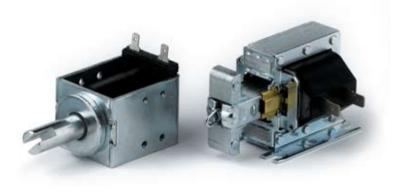






LEDEX

- America's leading industrial solenoid brand for more than 60 years
- Precision electromechanical and electromagnetic solutions
- Experienced teams of design and production engineers for applications such as printers, defibrillators, ATMs, door locks and waste water pump controls
- Excellent customer service and delivery performance with our technical design advantage



DORMEYER

- Leading AC solenoid brand
- Electromechanical and electromagnetic solutions for appliance and industrial actuation applications
- Applications include garage doors, ice dispensers, beverage dispensers, garbage sanitation and washing machines
- Excellent customer service and delivery performance to support high-volume AC solenoid requirements