

# BREAKING NEWS

#FEBRUARY



## Get to know more about our supplier Kendrion!

Throughout this year, we will be highlighting some of our exceptional suppliers across our channels, giving them the opportunity to showcase their products and allow you to learn more about their work. First in line is Kendrion. As described on their website, *"We focus on intelligent actuator technology to support the global transition towards electrification and other forms of clean energy."*

Kendrion is a global leader in intelligent actuators, innovating in electrification and sustainability. Operating in 9 countries, it develops electromagnetic and mechatronic solutions for automation, automotive, energy, and medical industries, driving efficiency with smart technology.

### Kendrion Holding Magnets

Kendrion's permanent electro holding magnets securely hold workpieces without power and release them when the coil is activated, ensuring energy efficiency and fail-safe holding.

Models & Forces:

- Permanent Electro Magnets: Round ( $\varnothing$  12–150 mm) & rectangular (150–200 mm), 8–3,500 N.
- Electro Holding Magnets: Round & rectangular, 36–30,000 N.

Applications:

Used in automation, robotics, and material handling for secure locking and transport with low power consumption.



**Kendrion's Power Pinch Valve is an electromagnetically actuated valve with a high clamping force of 42 N, designed for secure pinching of silicone and PVC tubes (4–7 mm outer diameter). It comes in two versions:**

- Normally Open (NO): Open when unpowered, closes via electromagnetic force.

- Normally Closed (NC): Closed when unpowered, opens via spring force.

**Key features:**

- Compact size: 84 x 53 x 146 mm
- Voltage: 24 V DC (other options available)
- Power consumption: 18 W
- Duty cycle: 100% DC
- Operating pressure: 0–2 bar
- Temperature range: 5°C to 40°C

Ideal for precise fluid control in medical technology (e.g., dialysis), industrial agriculture (irrigation), and filling processes. It allows bi-directional flow, handles aggressive media, and supports electronic monitoring for safety.



## What else has happened?

The year has kicked off at full speed, and we at Emcomp have already been involved in both exciting and important activities!

Recently, part of our sales team visited our supplier CBI in South Africa, where they had the opportunity to tour the factory and gain a deeper insight into how their products are manufactured.

We also had the pleasure of joining Elmgorn, the electrical industry’s popular morning show hosted by Billy and Peter. There, we presented CBI’s miniature circuit breakers and discussed their unique advantages. If you missed it, you can watch the full episode here: [link](#).



### Hydraulic-Magnetic Circuit Breakers

- Temperature-independent: Handles 100% rated current and trips at 125% without derating.
- Quick Reset: Can be reset immediately after tripping, with no cooldown needed.
- Flexibility: Supports customizable current ratings and time delays.
- Safe and Durable: Silver alloy contacts, high-quality polymer materials, and hermetically sealed mechanisms.

**Key Features:**

- Trip-free: Trips even if the handle is locked in the "ON" position.
- Positive indicators: Handle always shows the breaker’s status.

**Operating Principle:**

- Normal Operation: Remains active at or below rated current.
- Overload: Delayed tripping for sustained overcurrent; resets if overload stops.
- Short Circuit: Instant trip for high current without temperature influence.

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