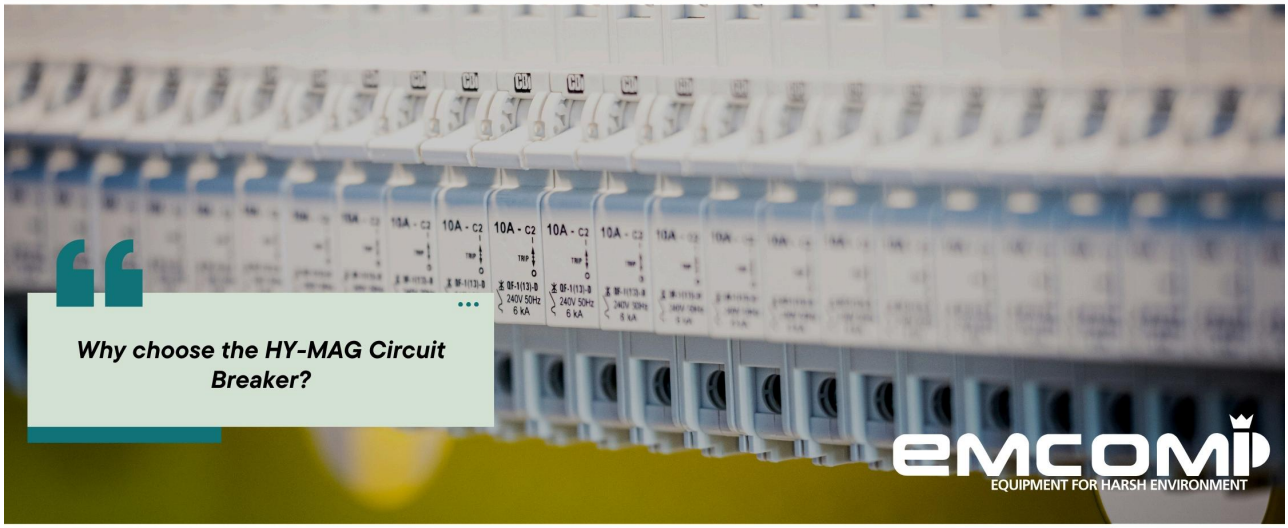
BREAKING NEWS

#MAY



A Busy May at Emcomp – Event Highlights and CBI in the Spotlight

May has been a busy month for us at Emcomp, with successful participation at both Elfack in Gothenburg and EuroExpo in Skellefteå. A big thank you to everyone who stopped by our booths, it's always a pleasure meeting our customers and partners in person.

Among all the events, we've also taken the opportunity to put a special spotlight on the Hydraulic-Magnetic MCBs from CBI.

With over 50 years of innovation, CBI is a global leader in circuit breakers, earth leakage protection, and surge protection. They specialize in high-demand export markets and produce more than 25 million components per month through their own fully integrated production facilities. CBI also operates one of the most advanced electrical test laboratories in the Southern Hemisphere.

Emcomp has been working with CBI since 1998 and has been driving European CBI sales since 2009.

Why choose the HY-MAG Circuit Breaker?

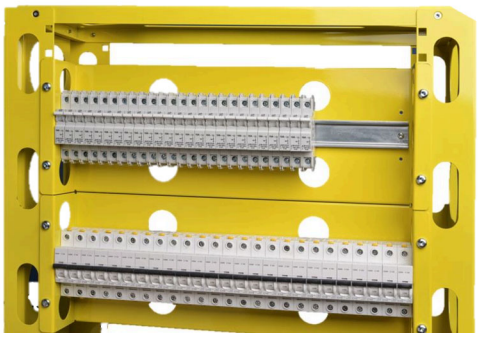
One of the key advantages of HY-MAG circuit breakers over traditional thermal-magnetic MCBs is their resistance to ambient temperature variations. HY-MAG breakers maintain their rated performance from -40°C to +85°C, while thermal-magnetic MCBs are only reliable at room temperature.

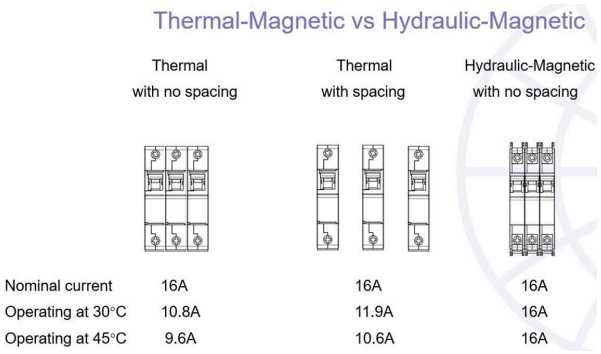
For example, at around 30°C, a typical thermal-magnetic MCB may only carry 75% of its rated current before tripping. This often requires oversizing the breaker which increases both equipment and installation costs.

✅ **Unaffected by Ambient Temperature**
As previously mentioned, the trip point of a HY-MAG circuit breaker is not influenced by ambient temperature. These breakers are designed to handle 100% continuous load regardless of temperature, allowing you to size your system precisely to your actual needs—without the need for de-rating.

✅ **Space-Saving Design**
Since temperature isn't a limiting factor, HY-MAG MCBs can be made slimmer than traditional breakers. With a modular width of just 13mm compared to the standard 18mm, you can fit over 30% more distribution points in the same amount of space.

✅ **Flexible Mounting Options**
The HY-MAG technology isn't limited to DIN rail-mounted MCBs. The product range also includes models designed for front-panel mounting with rear connections for line and load—ideal for enclosure installations. These are referred to as Circuit Breakers for Equipment (CBEs). For a quick overview of available models, check out our selection chart. **HERE**





✅ **Immediate Reset After Tripping**
HY-MAG breakers can be reset instantly after an overload, unlike thermal-magnetic MCBs which require a cooldown period before resetting.

✅ **Dedicated Products for AC and DC**
Specifically engineered for either AC or DC applications, ensuring proper handling of breaking currents and eliminating arc extinguishing issues.

✅ **Energy Efficiency**
With approximately 45% lower internal resistance than traditional MCBs, HY-MAG breakers reduce energy losses and operating costs—offering a more sustainable solution.

✅ **No Aging of the Sensing Device**
A hermetically sealed sensing mechanism protects against air, moisture, and contaminants, ensuring long-term accuracy and reliability.

✅ **Worldwide Approvals**
Certified to global standards including IEC 60947-2 (Europe) and UL489 / UL489A / UL1077 (USA), ensuring compliance across international markets.

Summer is just around the corner!

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