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THE TRADITION OF INNOVATION SINCE 1945

ILME designs and manufactures complete solutions for industrial connections.

Headquartered in Milan and with subsidiaries in the key countries driving the progress of automation, ILME is an industry leader in the main world markets.

People are vital to success and growth at ILME, sharing a passion for innovation, utmost responsibility and participation.

The Company is committed to developing technology in the areas that mostly impact the future of the industries it serves: safe and high quality wiring, research on the most suitable materials, rapid delivery time and readily available services, while striving for energy saving and environmental protection.





DEVELOPMENT AS A CONTINUUM

True progress is not the result of isolated breakthroughs, but comes from continuous development, learning and integration of new ideas.

Our R&D commitment is to continuous innovation, where each improvement builds on the last. This year's new products reflect our ongoing focus on developing practical solutions.

By combining research with feedback and collaboration, we aim to meet today's needs while remaining adaptable to future challenges.

A willingness to evolve and remain relevant in a rapidly changing landscape.

NOVELTIES KEYWORDS



VERSATILE



PERFORMANCE



INNOVATIVE

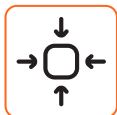
SAFE



STURDY



EASY



COMPACT



PRECISE

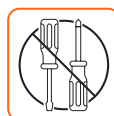


MATCHING

QUICK



TOOL-LESS



SPECIALIZED



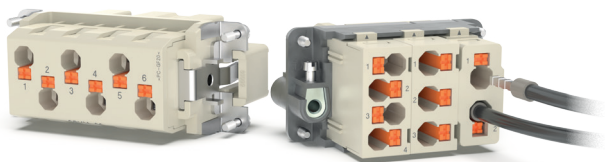
2025 NOVELTIES

TOOL-LESS CONNECTIONS



AXYR®

40 A and 35 A inserts



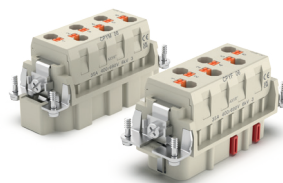
Three new MIXO modules: **2, 3 and 4 poles**, widening the modular choices possibility.



AXYR® is the new rapid connection technology developed by ILME, an extremely compact push-in spring termination which equals crimp connectors in high-density, therefore guaranteeing an equivalent electrical performance. Operations require one simple step: **straightforward wire insertion**.

The product range already includes 10 A and 16 A compact, standard and modular inserts, and is now enhanced by new additions for current ratings **up to 40 A**.

One 6-pole **CPY 35 A** insert, allowing a faster and tool-less secure wiring for those applications that are high demanding in terms of expected vibration and shock.

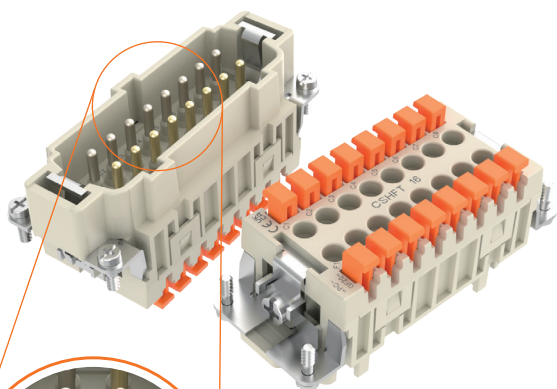


These new **AXYR®** inserts offer robust performance and secure connections, while maintaining compact design, for systems and applications that demand both high power and flexibility.



SQUICH®

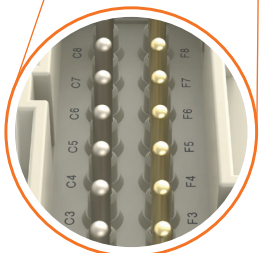
inserts for Type J (Fe/CuNi) thermocouples



Rectangular connectors for thermocouples are essential components in temperature measurement and control systems, designed to provide reliable, secure connections for thermocouple wires and are typically used in industrial and automation environments such as manufacturing, automotive, energy, and process control.

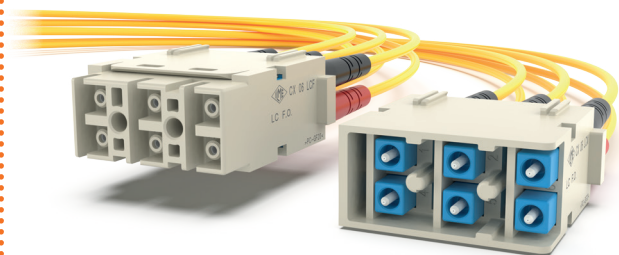
The specialist use of this type of connector **now meets SQUICH® technology for a simple, quick and repeatable wiring at the push of a button** ensuring minimal time spent during assembly without the need for specialized tools.

This new variant completes a full series of **SQUICH®** tool-less inserts, that besides the standard versions with silver-plated contacts, already includes variants with tin-plated, stamped and HNM (High Number of Matings) contacts, to suit any application requirement.





MIXO LC data modules

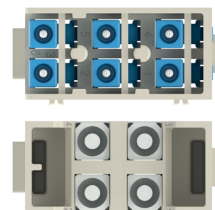


The new **MIXO LC module** extends the modular options **for data transmission**.

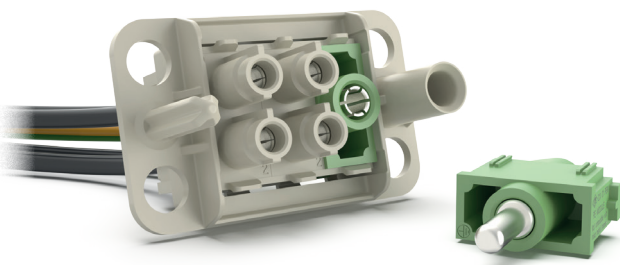
Designed for use in fibre optic communication systems, it offers a **compact design, easy installation** and **reliable performance**. These connectors are specifically designed to support high density fibre optic networks while maintaining excellent signal quality.

Compatible with both single mode and multimode fibre, they are suitable for both long and short distance applications, according to fibre optic type used.

The module accommodates **six LC-contact seats** in a 1-slot size, while the SC-contact module features only four.



MIXO PE module for thermoplastic docking frames



Single-sized modular inserts specifically designed for seamless **PE connection, to be used with the MIXO thermoplastic docking frames**.

The screw-type terminal can accept PE lines from 2,5 mm² to 16 mm² for unprepared wires and from 1,5 mm² to 16 mm² for prepared wires.

This combination ensures an **easy-to-use, highly flexible and cost-effective system**. No special tools are required, except for a flat screwdriver to secure the well-known screw termination.

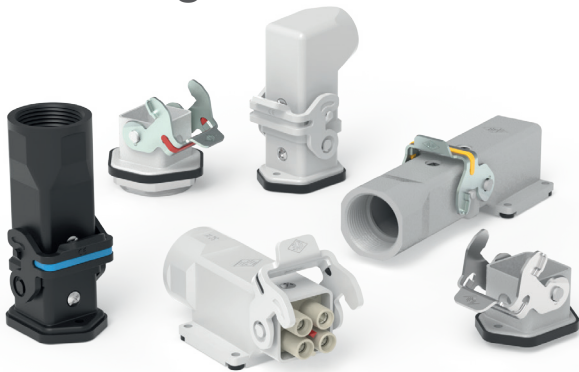
The design guarantees a secure and reliable connection for both unprepared flexible wires, as well as rigid and prepared flexible wires, allowing a wide choice of cable range.

Additionally, the robust construction ensures optimal performance, **even in demanding environments**.





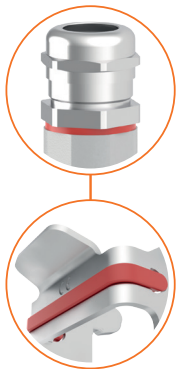
21.21 enclosures with new levers design



The 21.21 range of enclosures is the perfect complement to compact and versatile connector inserts of the same size, providing an efficient solution for industrial applications.

Enclosures now feature **new, enhanced metal and plastic rigid levers** with an **improved closing mechanism** and **more ergonomic lever design**.

These updates provide smoother operation, resulting in **greater ease of use and reliability**.

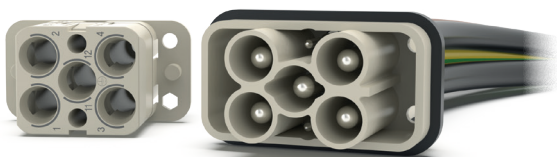


In addition, the newly introduced optional **coding system** simplifies wiring, maintenance and daily operations. Using a simple, **colour-coded method of identifying connectors by coding clips and rings**, the system minimises the risk of error, improving both speed and safety throughout the process.

Suitable for both indoor and outdoor installations, including standard and EMC environments, 21.21 enclosures offer versatile and reliable solutions for a wide range of applications and environmental conditions.



CQ 10 mm² connectors



The new **CQ 04/2B** insert features four 40 A power contacts and two 10 A auxiliary contacts, using crimp termination technology, with an enhanced contact holder suitable to accommodate stranded copper conductors **up to 10 mm²** (AWG 8). This increase in allowable wire size enables the transmission of higher power levels.

A typical application for this enhancement is to minimize voltage drop along long power lines in high-current applications, ensuring more efficient power delivery.

Can only be fitted inside **insulating** enclosures size 32.13.



SPECIALIZED SOLUTIONS



IP68 covers size 21.21



The new IP68 covers extend the range of 21.21 compact size options.

Designed to **maintain a dry and clean environment**, while two connector halves are unmated, these covers effectively **prevent contamination and potential deterioration** of both contact and insulation components.

This compact extension improves the overall protection of the IP68 range, further enhancing its reliability. Manufactured of die cast zinc alloy with an external **corrosion resistant coating**, these covers are available in two versions:

- stainless steel locking mechanisms (either screw and spring or bayonet);
- stainless steel cords, available in either loop (for hoods) or eyelet (for enclosures) configurations.



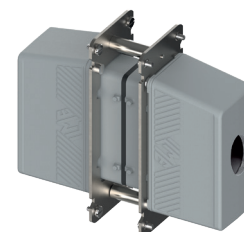
BIG enclosures with integrated floating frame



The **MBV...D** and **MBV...DG** enclosures combine the benefits of BIG's extra-large IP enclosures and self-centering docking frames, making them ideal for applications such as automatic tool change, offset printing machines and autonomous robots.

Enclosures feature an **integrated self-centering floating frame** system incorporating a precisely shaped stainless-steel plate.

This plate has alignment pegs on one side of the coupling and corresponding bushes on the opposite side, to ensure an **accurate and secure connection**.

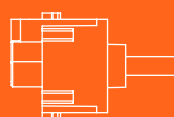
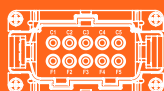
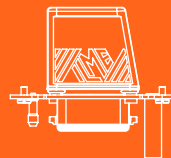
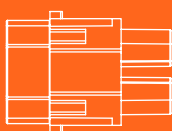
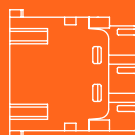


Series completion with new models that have been introduced in three sizes: 44.27 (06-pole), 57.27 (10-pole), and 77.27 (16-pole), as well as two new models in size 104.27 (24-pole).



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