



wiring

## 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.



## ILME TOOL-LESS CONNECTION TECHNOLOGY OVERVIEW

When it comes to the assembly, connection and mounting of connectors, an easy and fast termination technology benefits the operator and the overall process performance.

By minimizing the risk of errors and requiring less time to build each connection, production and maintenance costs decrease significantly allowing more complete connectors to be ready in less time.

Tool-less wiring is the standard operation that ILME offers wherever possible, just insert the wire and with a click the connection is made. No need of specific tools or skills. As simple as that!

### FAST AND RELIABLE CONNECTIONS IN RECORD TIME!



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The cornerstone of ILME R&D activity focusing on easy installation and safe wiring gets its pioneering example in the SQUICH<sup>®</sup> technology.

Based on well-known and proven spring technology, SQUICH<sup>®</sup> allows tool-free connection at the push of a button, while providing all the advantages of traditional springs, such as resistance to temperature changes, shock and vibration.

Compatible with prepared, unprepared and solid wires, any application benefits from a safe and reliable electrical connection.



our video

Insert the wire into the contact hole CLICCK CLICCK User Push the actuator button User Push the actuator button CLICCK

### **Re-opening**





CSHES allows the release of the connection from a SQUICH® terminal without disassembling the connector from the bulkhead mounting housing.

Not suitable for CKSH and CX 05 SH, whose re-opening can be done with a flat blade screwdriver.

### Probing slots





Easy to access probing slot on buttons for measuring devices, even with mounted connector.







AXYR<sup>®</sup> is the new rapid connection technology developed by ILME to optimize work times and methods, enabling industries of all sectors to reach their automation targets more effectively.

An extremely compact push-in spring termination which equals crimp connectors in high density, therefore guaranteeing an equivalent electrical performance.

Wiring in axis is the formula that recaps the technology strongpoint as it enables straightforward tool-less wiring. Operations require one simple step: wire insertion.











### Cross sectional area of prepared wires: 1,5 – 6 mm<sup>2</sup> / AWG 16 – AWG 10 Cross sectional area of unprepared wires: 1,5 – 6 mm<sup>2</sup> / AWG 16 – AWG 10

### Product range for 40 A and 35 A connections

Product range for 16 A connections





Cross sectional area of prepared wires:  $0.25 - 2.5 \text{ mm}^2$  / AWG 24 - AWG 14 Cross sectional area of unprepared wires:  $0.25 - 4.0 \text{ mm}^2$  / AWG 24 - AWG 12



### - CQY 08E -



# CQY 05 Compact size 21.21 Poles 5 + (a) Size 21.21 Green button for PE contact

### - CX 06 CY and CX 08 CY -----MIXO Modular versions



### Product range for 10 A connections





 $Cross\ sectional\ area\ of\ prepared\ wires:\ 0,14\ -\ 1,5\ mm^2\ /\ AWG\ 26\ -\ AWG\ 16\\ Cross\ sectional\ area\ of\ unprepared\ wires:\ 0,14\ -\ 2,5\ mm^2\ /\ AWG\ 26\ -\ AWG\ 14$ 

Compa	ct size 21.21	
Poles	8	and the second s
Size	21.21	

 $\textcircled{O} \quad \text{Available also in double-insert sizes}$ 



ILME S.p.A. Via Marco Antonio Colonna, 9 20149 Milano - Italy www.ilme.com

