

TOOL-LESS CONNECTORS

Easy, fast and safe
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 most 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.

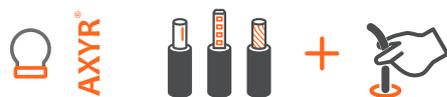
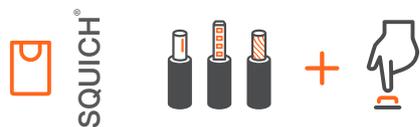
ILME TOOL-LESS CONNECTION TECHNOLOGY OVERVIEW

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!



KEY FEATURES



QUICK

Save time in the wiring process



EASY

No specific know-how and no wiring tools required



SAFE

Withstand the most demanding mechanical stresses and vibrations



COMPATIBLE

Suitable for ferruled, un-ferruled and solid wires

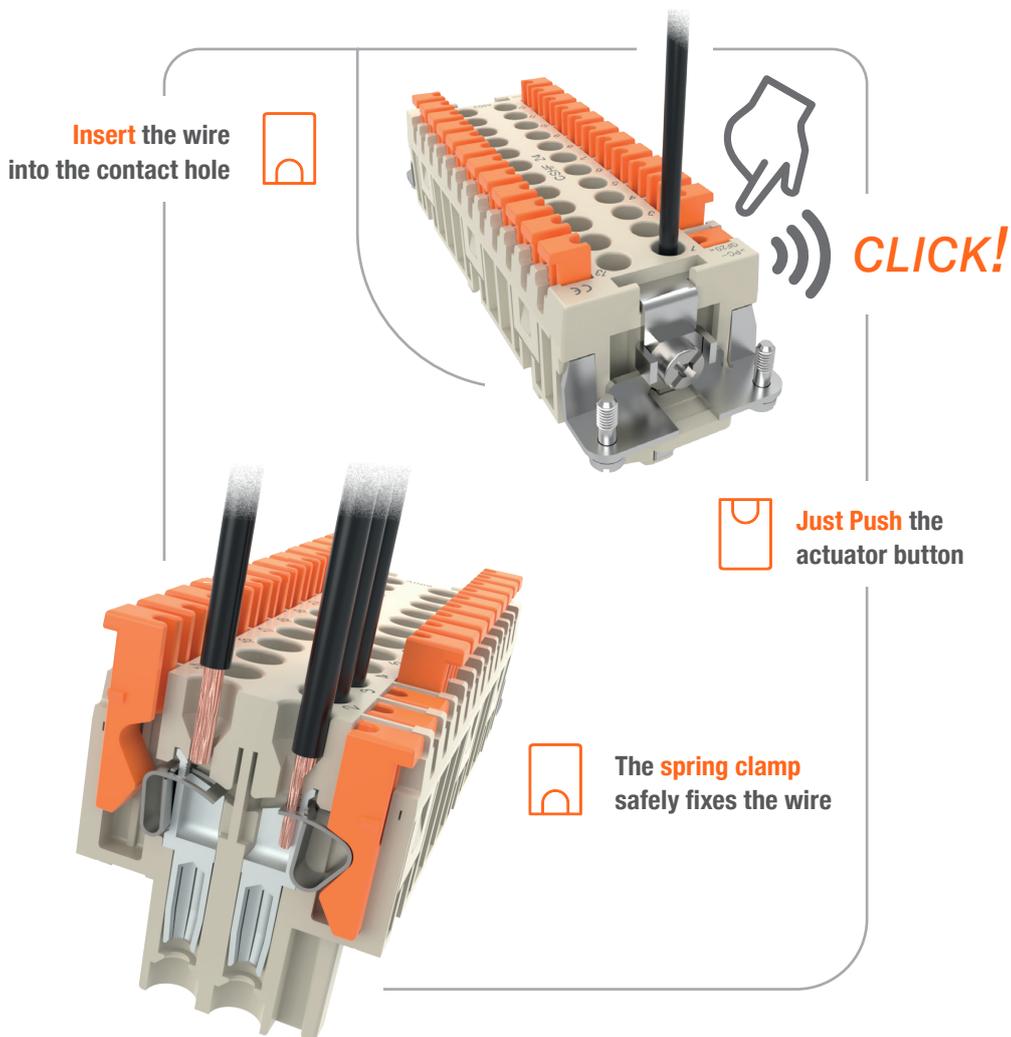
The cornerstone of ILME R&D activity focusing on easy installation and safe wiring gets its pioneering example in the SQUICH® technology.

Based on well-known and proven spring technology, SQUICH® 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.

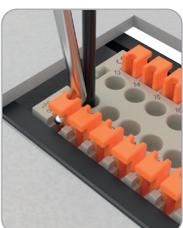
Compatible with ferruled, un-ferruled and solid wires, any application benefits from a safe and reliable electrical connection.



Watch
our video



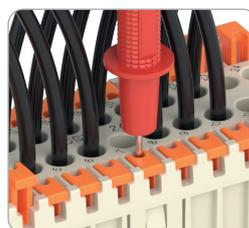
Re-opening



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.

Product range for 16 A connections

Cross sectional area of either ferruled or un-ferruled wires: 0,14 – 2,5 mm² / AWG 26 – AWG 14

Available also in double-insert sizes

CSH

The original one

Rating
16 A 500 V 6 kV 3
16 A 400/690 V 6 kV 2

Variants

RSH with gold plated contacts for HNM
JSH S with stamped tin plated contacts

	CSH 06	CSH 10	CSH 16	CSH 24
Poles	6 + ⊕	10 + ⊕	16 + ⊕	24 + ⊕
Size	44.27	57.27	77.27	104.27



CX 05 SH

MIXO Modular version

Poles 5
Size 1 module

Rating
16 A 400 V 6 kV 3
16 A 500 V 6 kV 2



CSAH

Slim size

Rating
16 A 250 V 4 kV 3
16 A 400 V 4 kV 2

Max. 1,5 mm² / AWG 16
ferruled stranded wires

	CSAH 10	CSAH 16
Poles	10 + ⊕	16 + ⊕
Size	49.16	66.16



CMSH

High voltage

Rating
16 A 830 V 8 kV 3
16 A 1000 V 8 kV 2
16 A 720 / 1250 V 8 kV 2

Auxiliary contacts rating
16 A 500 V 6 kV 3

	CMSH 03	CMSH 06	CMSH 10
Poles	3 + 2 + ⊕	6 + 2 + ⊕	10 + 2 + ⊕
Size	57.27	77.27	104.27



Product range for 10 A connections

Cross sectional area of un-ferruled wires: 0,14 – 2,5 mm² / AWG 26 – AWG 14
Cross sectional area of ferruled wires: 0,14 – 1,5 mm² / AWG 26 – AWG 16

CDSH

The highest density

Rating
10 A 400 V 6 kV 3
10 A 400/690 V 6 kV 2

Coding System OPTIONAL

CR K03 for CDSH

Variants

RDSH with gold plated contacts for HNM

CDSH 06 NC insert featuring 3 contact pairs with **AutoShort NC** element on each pair of female connector

Accessories

Parallel bridges for CDSH for low voltage applications

Rating
10 A 50 V 0,8 kV 3

	CDSH 09	CDSH 18	CDSH 27	CDSH 42
Poles	9 + ⊕	18 + ⊕	27 + ⊕	42 + ⊕
Size	44.27	57.27	77.27	104.27



CKSH

Compact size

Rating
10 A 400 V 4 kV 3
10 A 690 V 4 kV 2

Coding System OPTIONAL

CR K03 for CKSH 03
 CR K04R for CKSH 04
CR K04G for CKSH 04

	CKSH 03	CKSH 04
Poles	3 + ⊕	4 + ⊕
Size	21.21	21.21



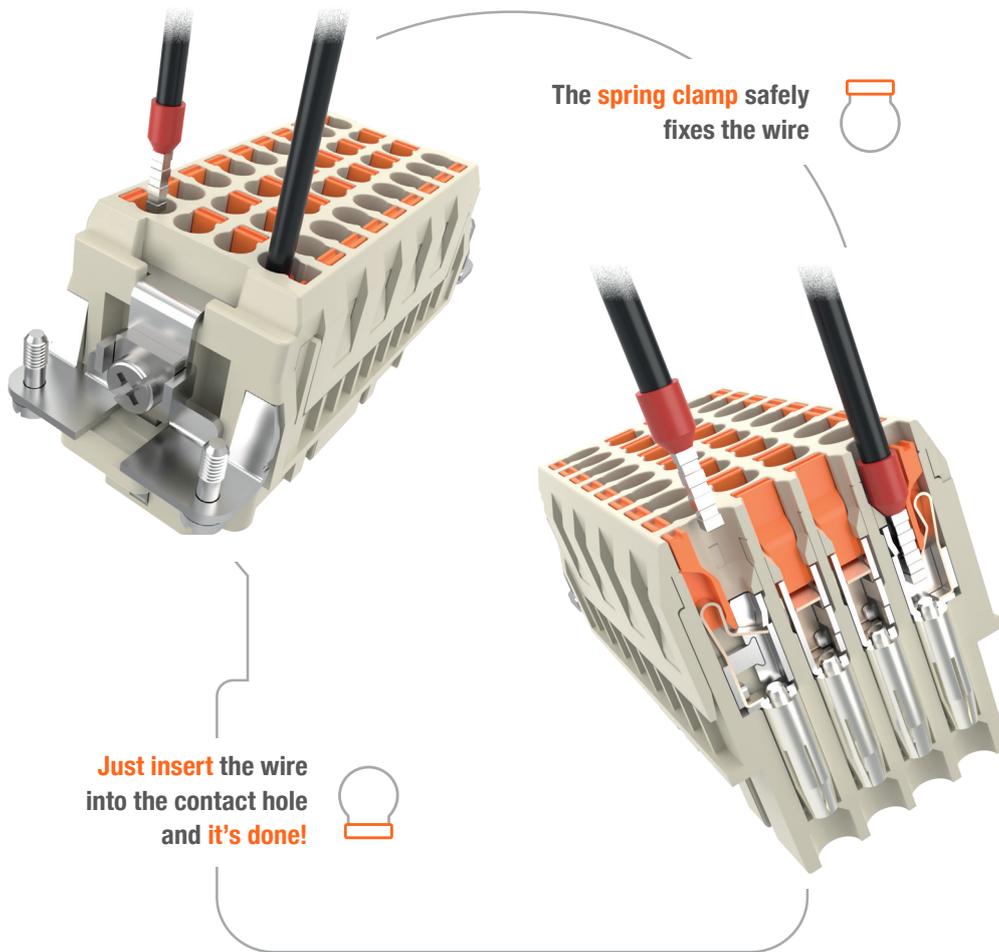
AXYR® is the new rapid connection technology developed by ILME to optimize work times and methods, enabling industries of all sectors to reach their automation targets more effectively.

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

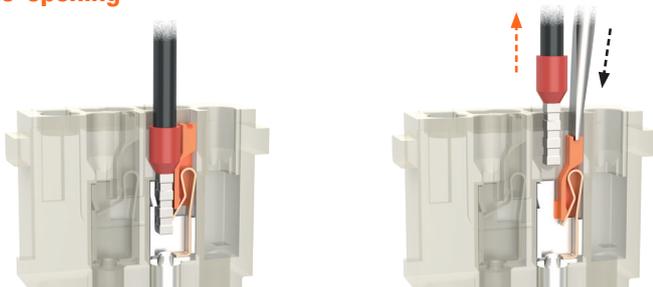
Wiring in axis is the formula that recaps the technology strongpoint as it enables **straightforward tool-less wiring**. Operations require one simple step: wire insertion.



Watch
our video



Re-opening



Push down the actuator button by a flat-blade screwdriver (0,5 × 3 mm max.) to remove the wire.

Accessories

Coding System
OPTIONAL



CRQ 08E

Coding pins for **CQEY** and **CQY 08E** for up to 6 unique configurations.



Product range for 16 A connections

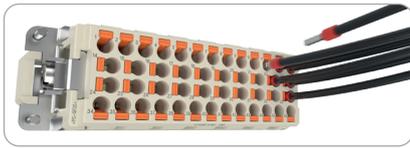
Cross sectional area of ferruled wires: 0,25 – 2,5 mm² / AWG 24 – AWG 14
 Cross sectional area of un-ferruled wires: 0,25 – 4,0 mm² / AWG 24 – AWG 12

Available also in double-insert sizes

CQEY

High contacts density

Rating
 16 A 500 V 6 kV 3
 16 A 830 V 8 kV 2



Coding System
 OPTIONAL

Required pins to correctly code a CQEY coupling using CR Q08E coding pins:



- 3 pins for 10 and 18 poles connectors
- 4 pins for 32, 46, 64 and 92 poles connectors

CQEY 10

Poles 10 + ⊕

Size 44.27



CQEY 18

Poles 18 + ⊕

Size 57.27



CQEY 32

Poles 32 + ⊕

Size 77.27



CQEY 46

Poles 46 + ⊕

Size 104.27



CQY 08E

Compact size with integrated PE plate

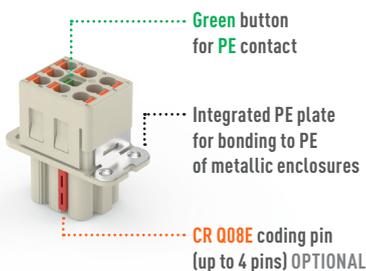
Poles 8 + ⊕

Size 32.13



Rating
 16 A 500 V 6 kV 3
 16 A 400/690 V 8 kV 2

Special Features



CX 06 CY

MIXO Modular version

Poles 6

Size 1 module



Rating 16 A 500 V 6 kV 3

CX 08 CY

MIXO Modular version

Poles 8

Size 1 module



Rating 16 A 400 V 6 kV 3

CQY 05

Compact size

Poles 5 + ⊕

Size 21.21



Rating 16 A 230/400 V 4 kV 3

Product range for 10 A connections

Cross sectional area of ferruled wires: 0,14 – 1,5 mm² / AWG 26 – AWG 16
 Cross sectional area of un-ferruled wires: 0,14 – 2,5 mm² / AWG 26 – AWG 14

CX 12 DY

MIXO Modular version

Poles 12

Size 1 module



Rating 10 A 250 V 4 kV 3

CDY 07

Compact size

Poles 7 + ⊕

Size 21.21



Rating 10 A 250 V 4 kV 3
 10 A 230/400 V 4kV 2

CDY 08

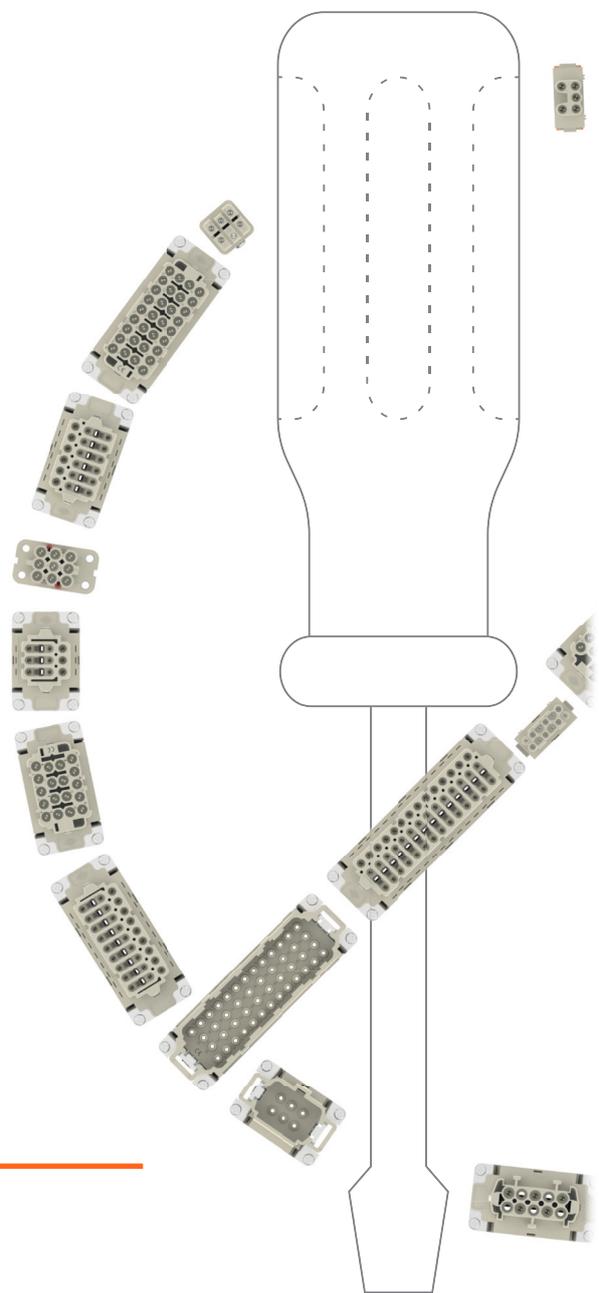
Compact size

Poles 8

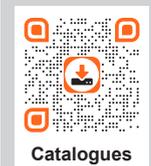
Size 21.21



Rating 10 A 50 V_{AC} / 120 V_{DC} 0,8 kV 3



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 <p>Catalogues</p>	<p>XDG TLS 324 – Issue 01</p>
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