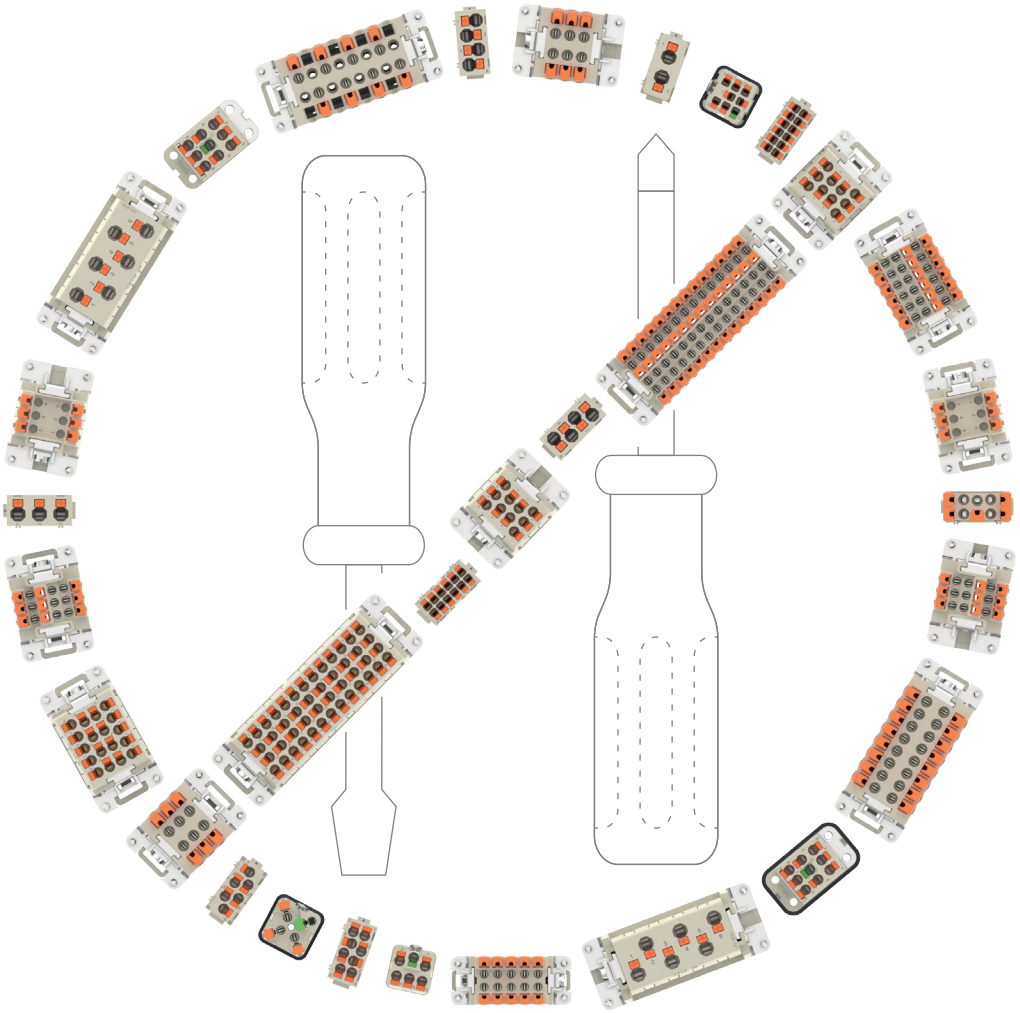
TOOL-LESS CONNECTORS

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 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!





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

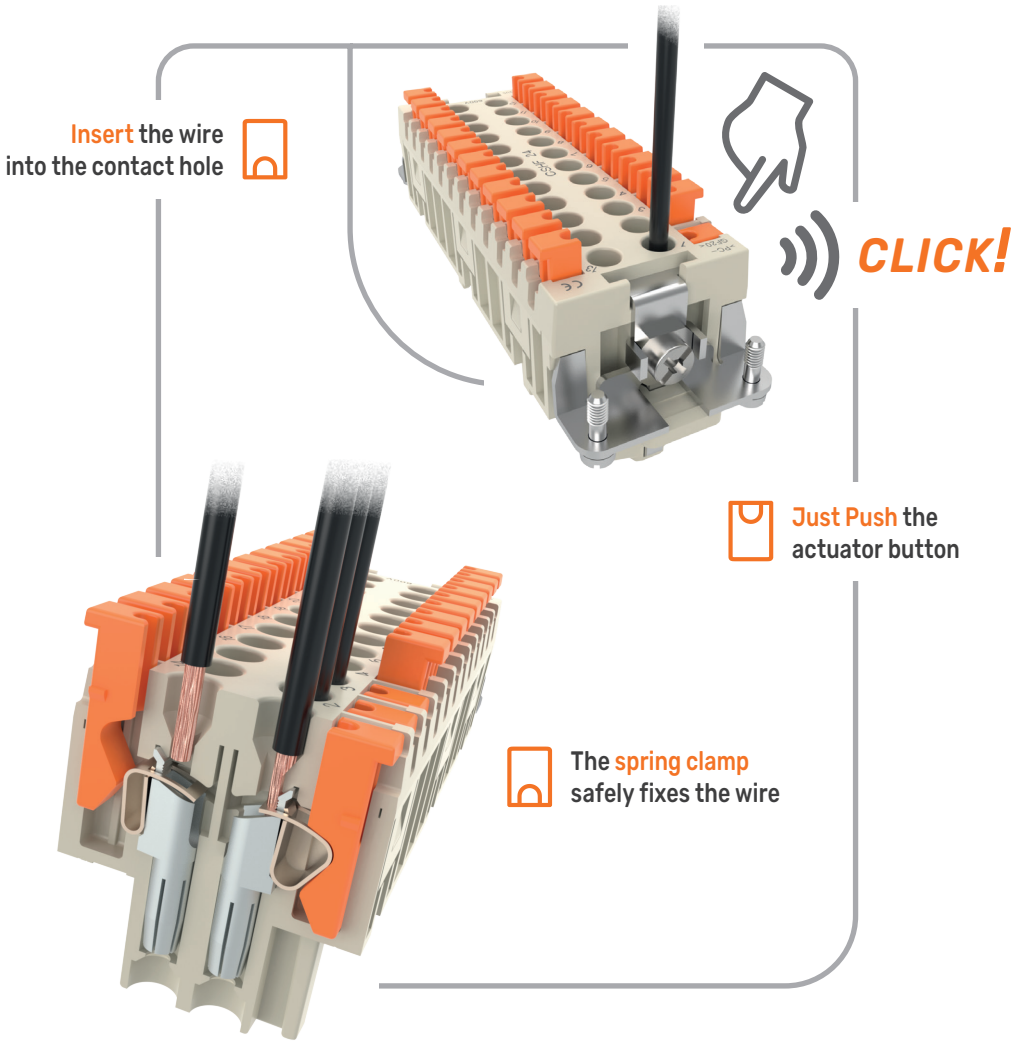
COMPATIBLE
Suitable for prepared, unprepared and solid wires

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

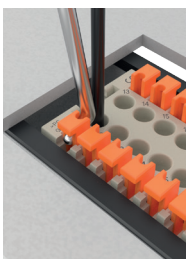
Based on well-known and proven spring technology, **SQUICH®** allows tool-free connection at the push of a button, while providing all the advantages of traditional springs, such as resistance to temperature changes, shock and vibration.

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

Watch our video



Re-opening

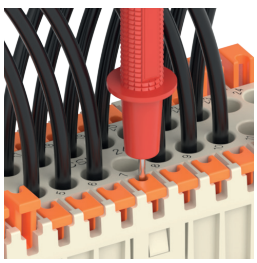




CSHES allows the release of the connection from a SQUICH® terminal without disassembling the connector from the bulkhead mounting housing.

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

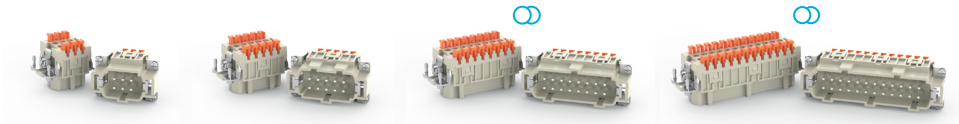
Cross sectional area of either prepared or unprepared wires:
0,14 – 2,5 mm² / AWG 26 – AWG 14

CSH

The original one

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

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



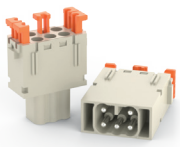
Variants

- **JSH S** with stamped tin plated contacts
- **RSH** with gold plated contacts for HNM
- **CSH T** for thermocouple applications

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

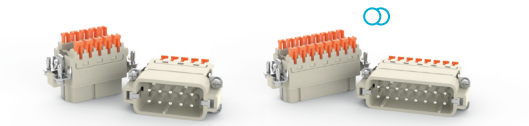
CSAH

Slim size

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

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

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



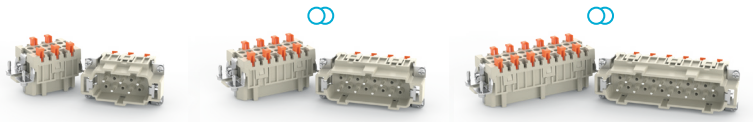
CMSH

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

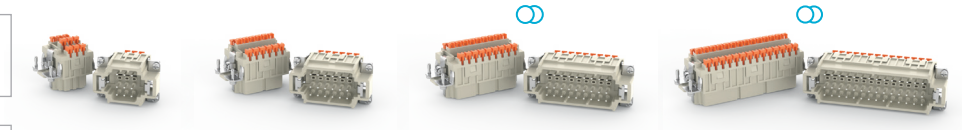
Cross sectional area of unprepared wires: 0,14 – 2,5 mm² / AWG 26 – AWG 14
Cross sectional area of prepared wires: 0,14 – 1,5 mm² / AWG 26 – AWG 16

CDSH

The highest density

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

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



AVAILABLE Coding System



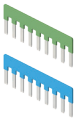
CR CDS for CDSH

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 extra-low voltage applications

Rating
10 A 50 V 0,8 kV 3

CKSH

Compact size 21.21

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

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

AVAILABLE Coding System



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



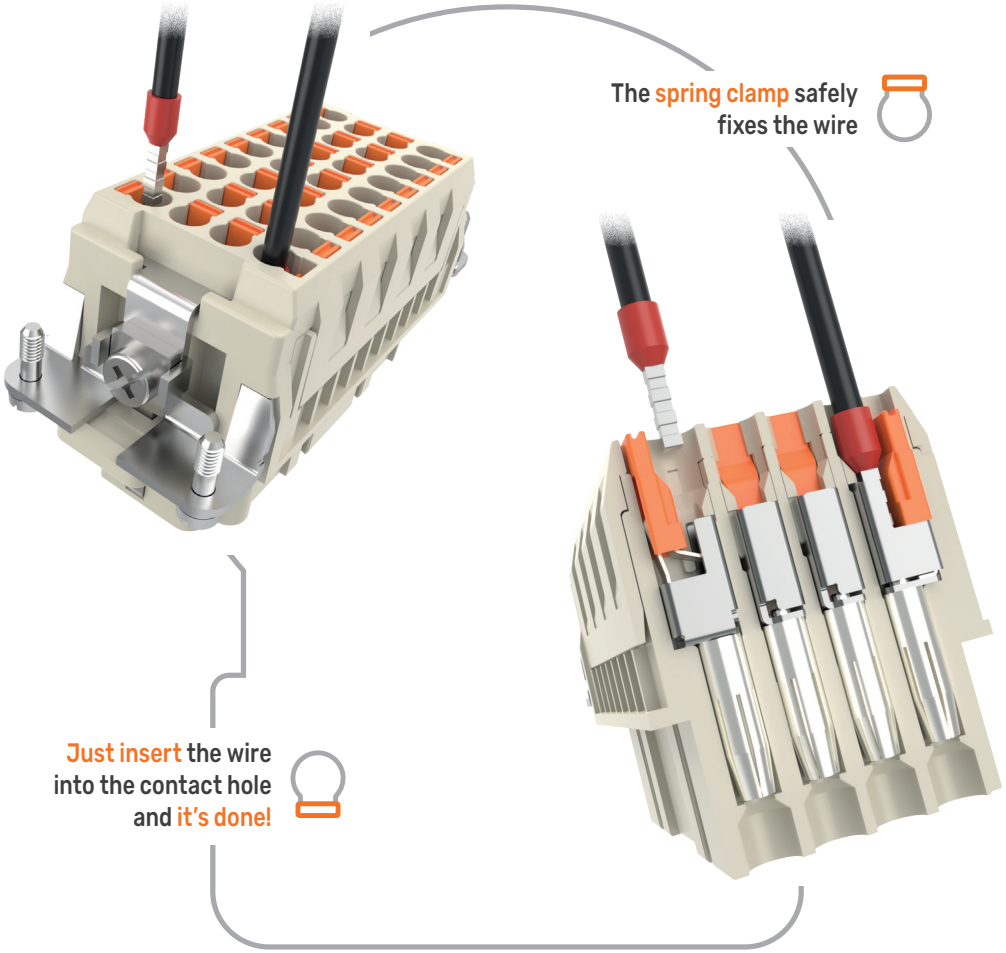
Available also in double-insert sizes

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.

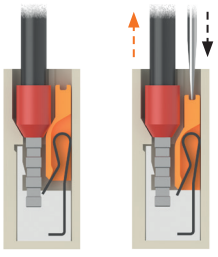
An extremely compact push-in spring termination which equals crimp connectors in high density, therefore guaranteeing an equivalent electrical performance.

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

AVAILABLE
Coding System


CR Q08E



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


CR CPC

Coding pins for CPY 06 for up to 6 unique configurations.

Product range for 40 A and 35 A connections

Cross sectional area of prepared wires: 1,5 – 6 mm² / AWG 16 – AWG 10
Cross sectional area of unprepared wires: 1,5 – 6 mm² / AWG 16 – AWG 10

CX..Y 40 A

MIXO Modular versions

	CX 02 4Y	CX 03 4Y	CX 04 XY
Poles	2	3	4
Size	1 module	1 module	1 module

Cross sectional area of prepared wires: 1,5 – 4 mm² / AWG 16 – AWG 12



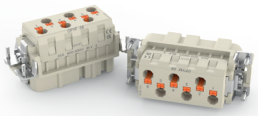
Rating
40 A 1000 V 8 kV 3 | 40 A 690 V 8 kV 3 | 40 A 830 V 8 kV 3

CPY 06

35 A inserts

Poles	6 + ⏚
Size	77.27

AVAILABLE
Coding System
CR CPC



Rating
35 A 400 / 690 V 6 kV 3

Product range for 16 A connections

Cross sectional area of prepared wires: 0,25 – 2,5 mm² / AWG 24 – AWG 14
Cross sectional area of unprepared wires: 0,25 – 4,0 mm² / AWG 24 – AWG 12

CQEY

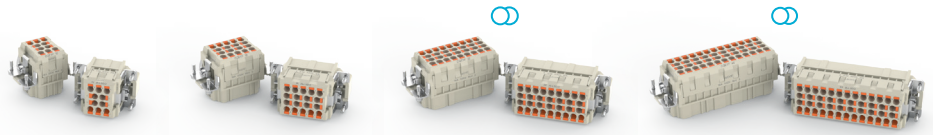
High contacts density

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

Variants
CQEY..D Gold-plated contacts

AVAILABLE
Coding System CR Q08E

	CQEY 10	CQEY 18	CQEY 32	CQEY 46
Poles	10 + ⏚	18 + ⏚	32 + ⏚	46 + ⏚
Size	44.27	57.27	77.27	104.27



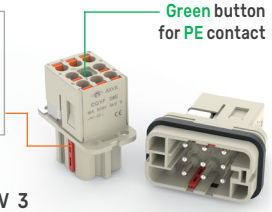
CQY 08E

Compact size with integrated PE plate

Poles	8 + ⏚
Size	32.13



AVAILABLE
Coding System
CR Q08E
(up to 4 pins)



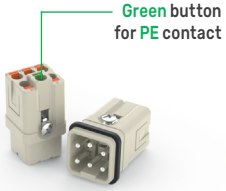
Rating
16 A 500 V 6 kV 3
16 A 400 / 690 V 8 kV 2

CQY 05

Compact size 21.21

Poles	5 + ⏚
Size	21.21





Rating
16 A 230 / 400 V 4 kV 3

CX 06 CY and CX 08 CY

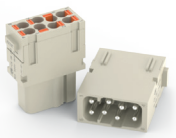
MIXO Modular versions

Poles	6
Size	1 module



Rating
16 A 500 V 6 kV 3

Poles	8
Size	1 module



Rating
16 A 400 V 6 kV 3

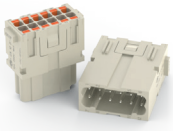
Product range for 10 A connections

Cross sectional area of prepared wires: 0,14 – 1,5 mm² / AWG 26 – AWG 16
Cross sectional area of unprepared 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 21.21

Poles	7 + ⏚
Size	21.21



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

CDY 08

Compact size 21.21

Poles	8
Size	21.21



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

Available also in double-insert sizes

Listening.
Understanding.
Connecting.

ILME SpA
Via M.A. Colonna, 9
20149 Milano (MI), Italy
ilme.com

Download here
our brochures and catalogues

XDG TLS 426
8 015747 068789