

CDA-CDC series

The compact inserts

CDA inserts with screw-type termination

The screw-type connector inserts CDA series with 10 and 16 poles + ⊕ are now made using screw-type terminals (CNE series) with a built-in wire protection pressure plate of proven reliability and practicality.

The wire protection pressure plate preserves the conductors in case of wiring with **unprepared conductors** (i.e. without wire end ferrules) up to a maximum wire cross-section of **4 mm²** (12 AWG).

The variant without a wire protection pressure plate (code with suffix X) is also available, for use with **prepared conductors** featuring a wire end ferrule with a maximum usable wire cross-section of **2,5 mm²** (14 AWG).



CDC inserts with crimp termination

The crimp termination CDC series of inserts with 10 and 16 poles + ⊕ now adopt the tried and tested contact retention technique of connector series CCE and CQE for removable crimp contacts (series CC, max 16A).



CDA-CDC INSERTS SUM-UP

- ☑ According to standard EN 61984:
16A 250V 4kV 3
16A 230/400V 4kV 2
- ☑ Insulation resistance: $\geq 10 \text{ G}\Omega$
- ☑ Ambient temperature limit: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
- ☑ Construction material: UL 94 V-0 self-extinguishing thermoplastic resin
- ☑ Mechanical life: ≥ 500 cycles
- ☑ Built-in silver plated contacts (only CDA series)

The applications

Like those of the previous series, CDA and CDC inserts and their enclosures are used in accordance with the recommendations EUROMAP 12, EUROMAP 13, EUROMAP 14-1, EUROMAP 16 and EUROMAP 62 (European industry consortium for moulding machines and plastic processing).

The CDC inserts can also be used with CC series crimp contacts made of iron/constantan (Fe-CuNi) for the cabling of J type thermocouples in accordance with IEC/EN 60584-1 (EUROMAP 14-1 recommendation).

The CDA/CDC series inserts can also be coupled with previous insert versions.



CSAH-SQUICH® series

Connection without tools, slim version

CSAH-SQUICH® inserts

To improve high performance industrial connections, ILME has developed and evolved its own spring clamp connectors to meet the market needs and make installation simpler.

The SQUICH® inserts are adaptable to any type of solid or flexible conductor, including unprepared conductors

Each of the spring terminals has an actuator button, suitably shaped and incorporated in the cavity. When this button is pressed, it triggers the closure of the spring device of the corresponding terminal, safely and reliably connecting the conductor to its respective electric contact in the connector.

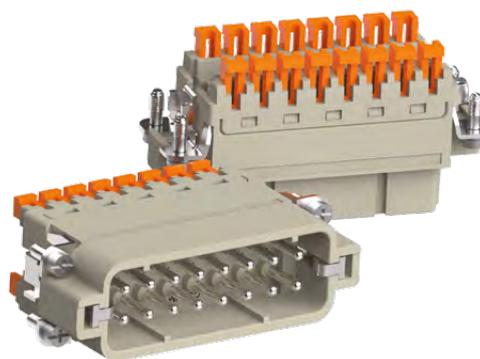
The actuator buttons are supplied raised, in the "open terminal" position and are easily distinguishable by the **orange colour which makes them stand out from the insulating body of the connector.**

The advantage of such an **exclusive solution** is that the **actuators disappear completely within the body of the connector**, making it easy to identify terminals not yet closed and eliminating possible obstacles to the movement of the conductors during installation and maintenance. In this manner during the cabling phase the **need for a tool to activate the terminal is completely eliminated and a simple operation is all you need to make the connection.**

Shaped button for measuring instruments

The profile of the button used in the **SQUICH®** series inserts **allow a measuring probe to be inserted.**

This allows checks to be carried out to ensure that the wiring is correct.



CSAH-SQUICH® INSERTS SUM-UP

- ☑ **Reduced space**
- ☑ **Reduced wiring time**
- ☑ **No need for tools**
- ☑ **Quick identification of wired and non-wired terminals**
- ☑ **Terminals already open and ready for conductor clamping**
- ☑ **Built-in silver plated contacts**
- ☑ **Excellent fastening solution**
- ☑ **Great resistance to strong vibration**

Simple terminal reopening

To reopen the terminals, simply introduce the tip of a common 0,5 x 3,5 mm flat blade screwdriver in the shaped pocket on the head of the actuator, and slightly rotate the screwdriver downwards: this will lift the actuator into its open terminal position.

☑ SQUICH® Connection technology

