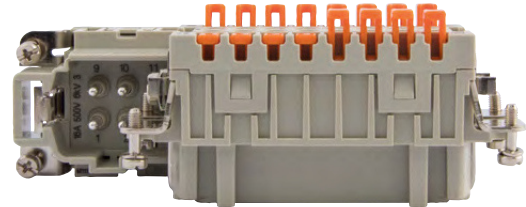
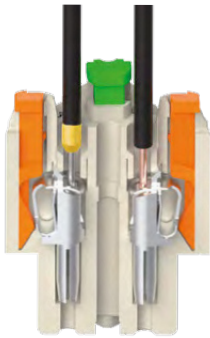


CSH-SQUICH® series

CSH-SQUICH® series

Spring connection with actuator button

In this view the wires are connected to the insert contacts by means of a spring terminal with actuator button.



CSH-SQUICH® INSERTS SUM-UP

- ☑ No special wire preparation (other than stripping)
- ☑ No wiring tool is necessary
- ☑ It offers an excellent fastening solution and a great resistance to strong vibrations;
- ☑ It allows solid and flexible wires with sections between 0,14 and 2,5 mm² (26-14 AWG) to be used (both with non-prepared conductors and those prepared with ferrule)
- ☑ It greatly reduces insert preparation and cabling times
- ☑ Built-in silver plated contacts



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.

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.

CNE and CSH-SQUICH® series

TECHNICAL FEATURES

Insert series		CNE (with pressure plate) CNE...X (w/o pressure plate) CNE...RY (for high temperature)	CSH-SQUICH®
No. of poles ¹⁾	Main contacts + ⊕	6, 10, 16, 24, (32 = 2x16) (48 = 2x24)	
	auxiliary contacts	—	
Rated current ²⁾		16A	
EN IEC 61984 Pollution degree 3	rated voltage	500V	
	rated impulse voltage	6kV	
	pollution degree	3	
EN IEC 61984 Pollution degree 2	rated voltage	400/690V	
	rated impulse voltage	6kV	
	pollution degree	2	
UL / CSA certification	rated voltage (a.c./d.c.)	600V	
Contact resistance		≤ 1 mΩ	≤ 3 mΩ
Insulation resistance		≥ 10 GΩ	
Ambient temperature limit (°C)	min	-40 °C	-40 °C
	max	+125 °C / +180 °C (CNE...RY)	+125 °C
Degree of protection	with enclosures (according to type)	IP65, IP66/IP69, IP66/IP67/IP69, IP66/IP68/IP69	
	without enclosures (in mated condition) - termination side on male and female inserts - mating side on female inserts	IP20 (IPXXB)	
Conductor connections		screw type	spring and clamp with actuator button
Conductor cross-sectional area	mm ²	0,5 - 4 (CNE)	0,14 - 2,5
		0,25 - 2,5 (CNE...X)	
	AWG	20 - 12 (CNE)	26 - 14
		24 - 14 (CNE...X)	
Mechanical endurance (mating cycles)		≥ 500	

1) Polarities shown in brackets may be obtained by using two inserts in their own double-sized housings

2) Please check the inserts derating diagrams to establish the actual maximum operating current according to the ambient temperature, the conductor cross-sectional area, the polarity of the connector, and any external constraint may derive e.g. by the continuous operating temperature sustained by the chosen conductor sheathing or by end-product safety standards fixing max allowed temperature rise on terminals (e.g. 30 K, 45 K or 50 K)

CSH S-SQUICH® series

TECHNICAL FEATURES

Demand for cost-effective solutions for large serial production is constantly growing and stamped contacts meet the basic needs for such applications.

- ILME stamped contacts, thanks to their **silver-plated** treatment are suitable for up to **500 mating cycles**, consistently with the turned ones.



Q In order to easily recognize them, each insert is marked with an “S” at the end of the product code, meaning “stamped”.

- Stamped contacts applied to the SQUICH® connection feature all the well-known advantages of the ILME proprietary technology:
 - **reduced wiring time** (spring-clamp terminals are presented “open”, with the actuator button lifted up); up to **50% saving time** compared to screw connection;
 - **operator skill independence** (no need to open the spring-clamp terminals by direct operation of a possibly unsuitable tool on the spring);
 - **no special wire preparation** (only stripping at the correct length);
 - no wiring tool needed;
 - **resistance to strong vibrations** typical of the self-compensating spring-clamp technology;
 - possibility **to use solid and flexible** stranded copper conductors with range of cross sectional area between 0,14 mm² and 2,5 mm² (26 – 14 AWG);
 - possibility to insert the **test probe** of a measurement instrument in the cavity of the actuator button (proprietary design);
 - simple re-opening of a terminal (if needed) using a flat blade screwdriver on the actuator button dedicated side window.

stamped
silver-plated
contacts

