

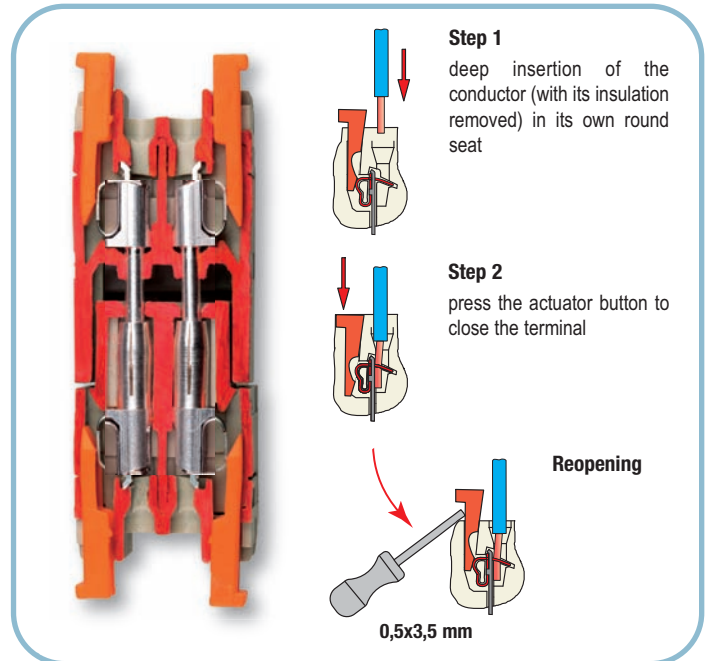
CSAH - SQUICH® series

Spring connection contacts with actuator button

Inserts series: CSAH

In this layout the wires are connected to the socket and plug insert contacts by means of a spring terminal with actuator button. This type of connection offers the following advantages:

- › no special wire preparation (**other than stripping**);
- › no cabling tool is necessary;
- › it offers an excellent fastening solution and a great resistance to strong vibrations;
- › it allows the use of rigid and flexible wires with cross-sections between 0,14 and 2,5 mm² (26 - 14 AWG);
- › for wires with crimped ferrule, useful cross-section: up to 1,5 mm² (AWG 16);
- › it greatly reduces insert preparation and cabling times;
- › a screwdriver with a 0,5 x 3,5 mm blade is the only tool required to remove the wire from the contact.

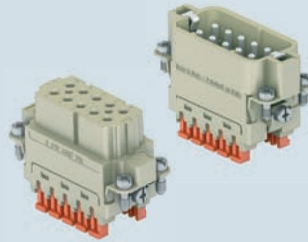


Inserts series		CSAH
No. of poles ¹⁾	main contacts + ⊕	10, 16, (32)
	auxiliary contacts	--
rated current ²⁾		16A
EN 61984 pollution degree 3	rated voltage	250V
	rated holding impulse withstand voltage	4kV
	pollution degree	3
EN 61984 pollution degree 2	rated voltage	230V/400V
	rated holding impulse withstand voltage	4kV
	pollution degree	2
contact resistance		≤ 3 mΩ
insulation resistance		≥ 10 GΩ
ambient temperature limit (°C)	min	-40 °C
	max	+125 °C
degree of protection	with enclosures	IP65, IP66, IP69 (according to type)
	without enclosures	IP20
conductor connections		spring with actuator button
conductor cross-section	mm ²	0,14 - 2,5 (for wires with crimped ferrule, usable section: up to 1,5 mm ²)
	AWG	26 - 14 (AWG 16 with crimped ferrule)
mechanical endurance (rating cycles)		≥ 500

- 1) Polarities shown in brackets may be achieved by using two inserts in their own double housings.
- 2) Please check the insert load curves to establish the actual maximum operating current according to the ambient temperature.

enclosures:
 size "49.16" page:
 IL-BRID 230 - 232
 W-TYPE for aggressive environments 370
 EMC 390
 panel supports: page:
 COB + adaptor 462 - 464

inserts,
 spring terminal connections



silver
 plated
 contacts

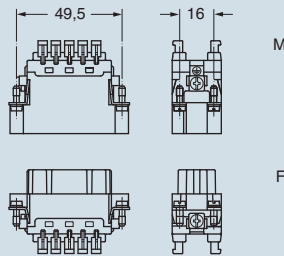
NEW

description
 spring terminals with actuator button
 female inserts with female contacts
 male inserts with male contacts

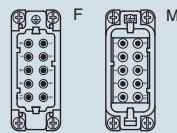
part No.
CSAHF 10
CSAHM 10

- characteristics according to EN 61984:
16A 250V 4kV 3
16A 400V 4kV 2
- certifications: (cUL - UL for USA and Canada), (CSA), CCC *, (EAC); the certifications shown in brackets are being applied for;
 * CQC certification being applied for
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 558

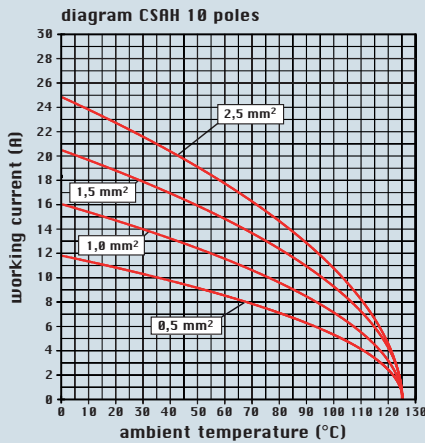
dimensions in mm



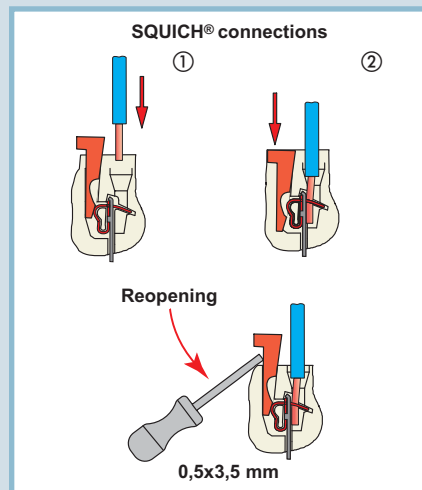
contacts side (front view)



- inserts for connectors with the following sections: 0,14 - 2,5 mm² - AWG 26 - 14
- for wires with crimped ferrule, usable section: up to 1,5 mm² (AWG 16)
- conductors stripping length: 9...11 mm



dimensions shown are not binding
 and may be changed without notice

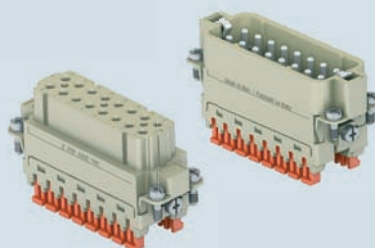


enclosures:
size "66.16" page:

IL-BRID 233 - 235
W-TYPE for aggressive environments 371
EMC 391

panel supports: page:
COB + adaptor 462 - 464

inserts,
spring terminal connections



silver plated contacts

NEW

description

part No.

spring terminals with actuator button
female inserts with female contacts
male inserts with male contacts

CSAHF 16
CSAHM 16

- characteristics according to EN 61984:

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

- certifications: (cUL - UL for USA and Canada), (CSA), CCC *, (EAC); the certifications shown in brackets are being applied for;

* CQC certification being applied for

- insulation resistance: $\geq 10 \text{ G}\Omega$

- ambient temperature limit: $-40 \text{ }^\circ\text{C} \dots +125 \text{ }^\circ\text{C}$

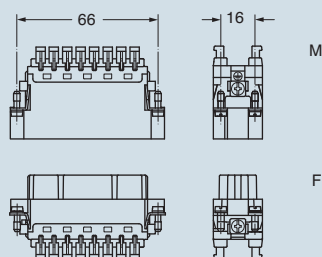
- are made of self-extinguishing thermoplastic resin UL 94 V0

- mechanical life: ≥ 500 cycles

- contact resistance: $\leq 3 \text{ m}\Omega$

- for maximum current load, see the following load curves inserts, for more information see page 558

dimensions in mm



contacts side (front view)

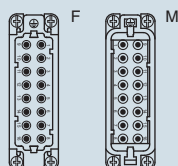
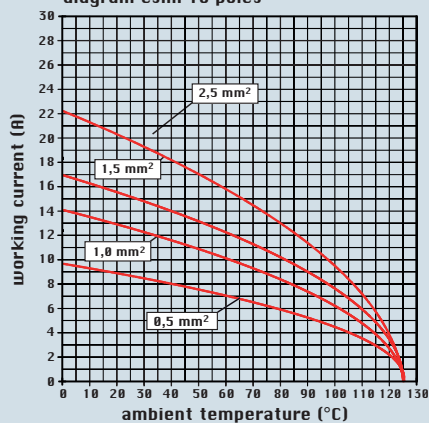


diagram CSAH 16 poles

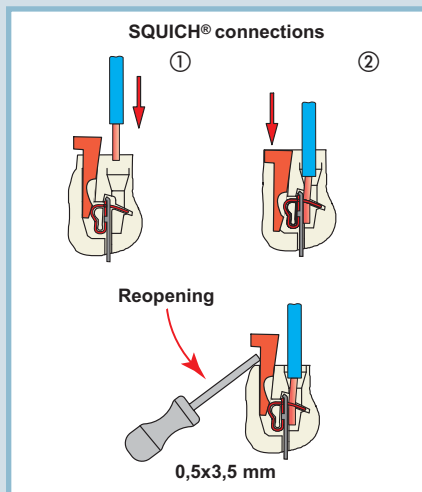


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0,14 - 2,5 mm² - AWG 26 - 14

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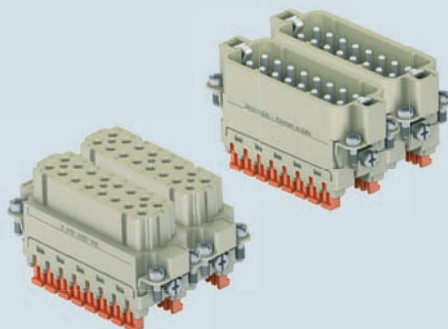
enclosures:
size "66.40"

page:

C-TYPE IP65/IP66 237 - 239

W-TYPE for aggressive environments 372

inserts,
spring terminal connections



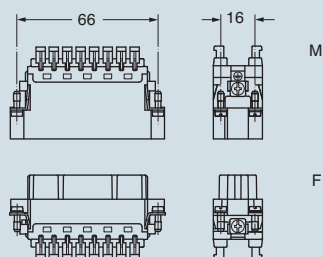
silver
plated
contacts

NEW

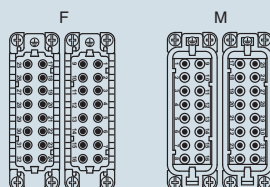
description	part No.	part No.
spring terminals with actuator button		
female inserts, No. (1-16) and (17-32)	CSAHF 16	CSAHF 16 N
male inserts, No. (1-16) and (17-32)	CSAHM 16	CSAHM 16 N

- characteristics according to EN 61984:
16A 250V 4kV 3
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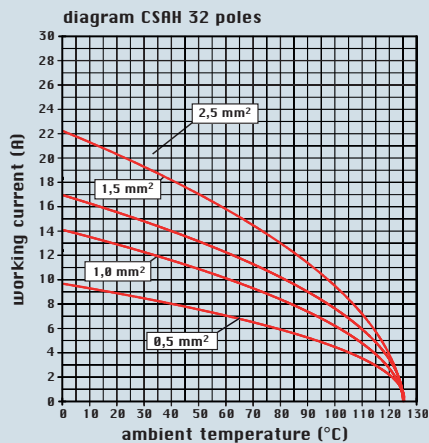
dimensions in mm



contacts side (front view)



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