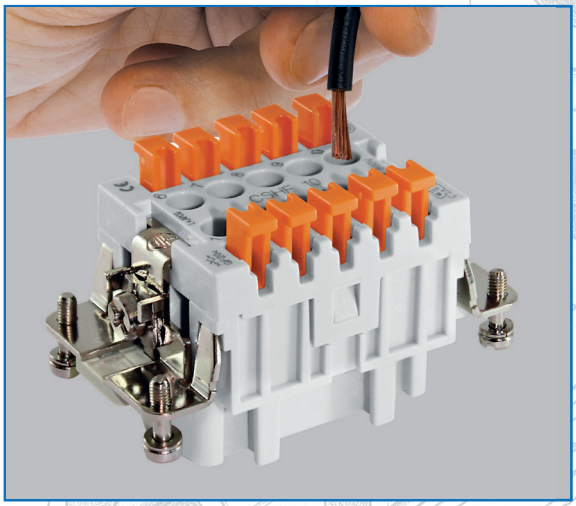
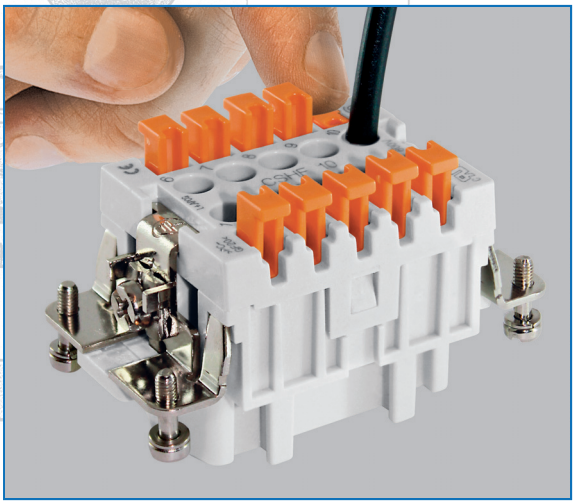
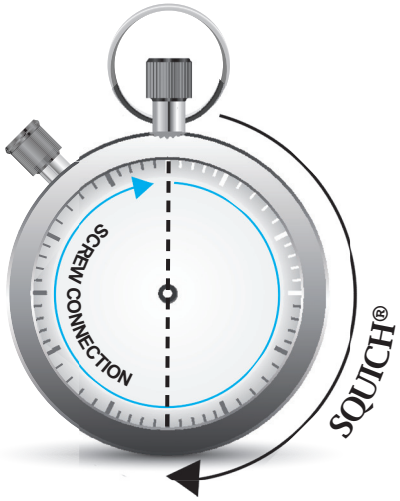
SQUICH®

Connections without tools

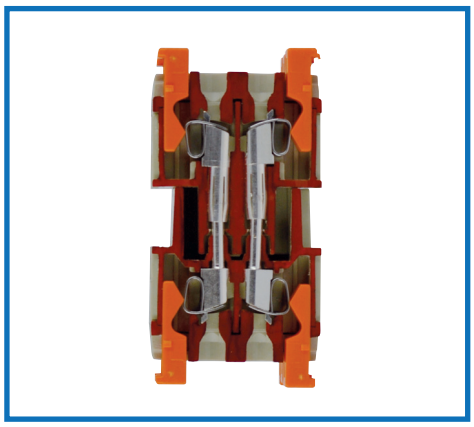




A TIMESAVER



Spring connection contacts with actuator button



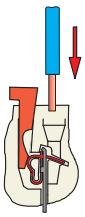
description

inserts series: JSH

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
- allows rigid and flexible wires with cross-sections between 0,14 and 2,5 mm² to be used (26 - 14 AWG)
- 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.

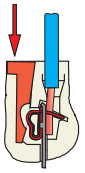
inserts series		JSH
No. of poles [1]	main contact + ⏚	**6, 10, 16, 24, (32), (48)**
	auxiliary contacts	--
rated current [2]		16A
EN 61984 pollution degree 3	rated voltage	500V
	rated holding impulse withstand voltage	6kV
	pollution degree	3
EN 61984 pollution degree 2	rated voltage	400/690V
	rated holding impulse withstand voltage	6kV
	pollution degree	2
UL/CSA certification	rated voltage (a.c./d.c.)	600V
contact resistance		≤ 3 mΩ
insulation resistance		≥ 10 GΩ
ambient temperature limit (°C)	min	-40
	max	+125
degree of protection	with enclosures	IP65, IP66 (according to type)
	without enclosures	IP20
conductor connections		spring and clamp with actuator button
conductor cross-section	mm²	0,14 - 2,5
	AWG	26 ÷ 14
mechanical endurance (mating cycles)		≥200

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.



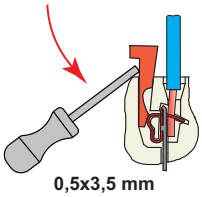
Step 1

deep insertion of the conductor (with its insulation removed) in its own round seat.



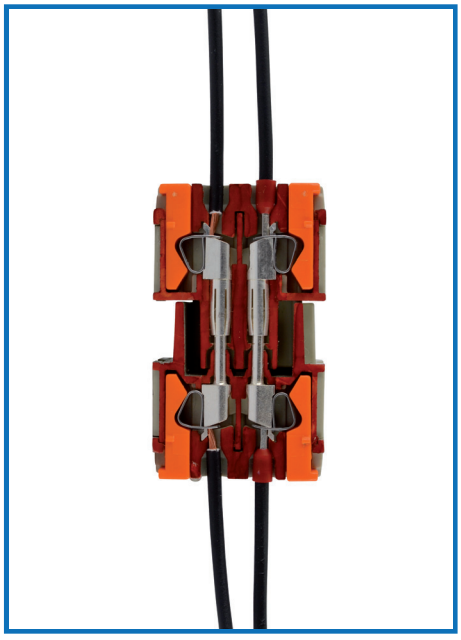
Step 2

press the actuator button to close the terminal.



Reopening

0,5x3,5 mm



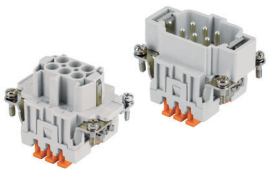
enclosures:
size “44.27” page:

JEI®-P thermoplastic lever ..... 92 - 93
JEI®-V zinc-plated steel lever ..... 102 - 104
T-TYPE IP65 insulating ..... 134 - 135

panel supports: page:

COB ..... 143 - 144

inserts,
spring terminal connections

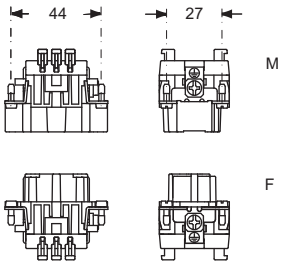


tin plated contacts

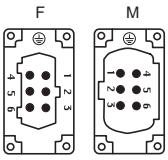
description	part No.
spring terminals with actuator button female inserts with female contacts male inserts with male contacts	**JSHF 06** **JSHM 06**

- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- certifications: UL, EAC
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 200 cycles
- contact resistance: ≤ 3 mΩ
- for maximum current load, see the following load curves inserts

dimensions in mm



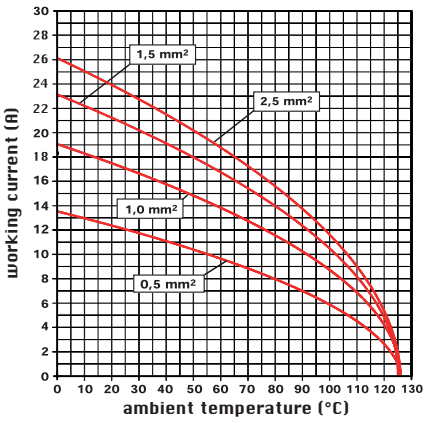
contacts side (front view)

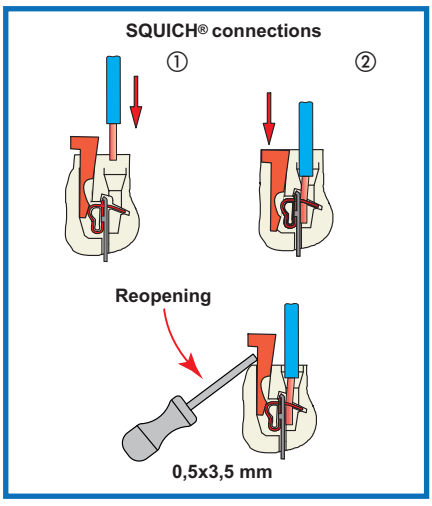


- inserts for connectors with the following sections:
  0,14 - 2,5 mm2 - AWG 26 - 14
- conductors stripping lenght: 9...11 mm *

* the stripping length for prepared wires with bush crimped depends on that of the bush itself

diagram JSH 06 poles





dimensions shown are not binding
and may be changed without notice

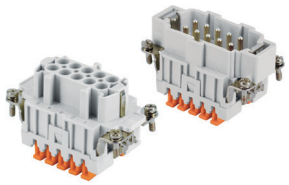
enclosures:
size "57.27" page:

JEI®-P thermoplastic lever ..... 94 - 95
JEI®-V zinc-plated steel lever ..... 105 - 109
T-TYPE IP65 insulating ..... 136 - 137

panel supports: page:

COB ..... 143 - 144

inserts,
spring terminal connections



tin plated contacts

description	part No.
spring terminals with actuator button female inserts with female contacts male inserts with male contacts	**JSHF 10** **JSHM 10**

- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- certifications: UL, EAC
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 200 cycles
- contact resistance: ≤ 3 mΩ
- for maximum current load, see the following load curves inserts

dimensions in mm

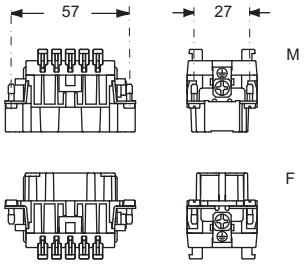
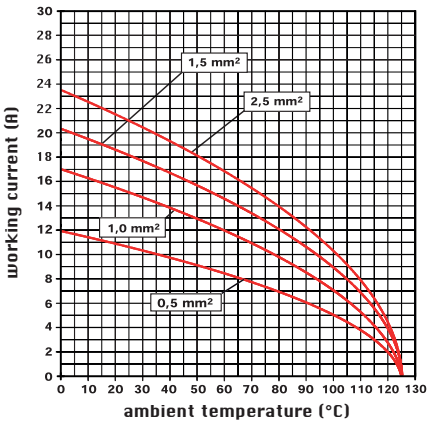
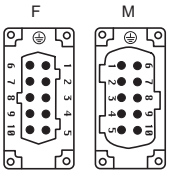


diagram JSH 10 poles

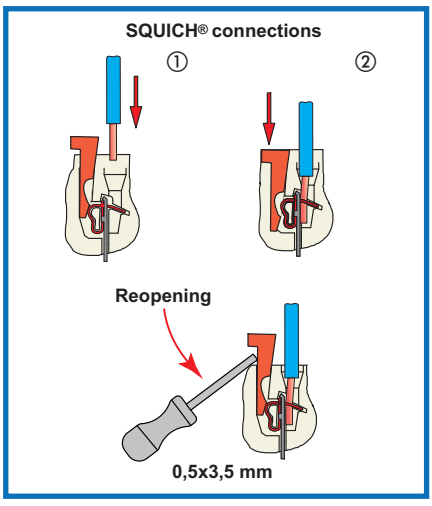


contacts side (front view)



- inserts for connectors with the following sections:
  0,14 - 2,5 mm2 - AWG 26 - 14
- conductors stripping lenght: 9...11 mm *

* the stripping length for prepared wires with bush crimped depends on that of the bush itself



dimensions shown are not binding
and may be changed without notice

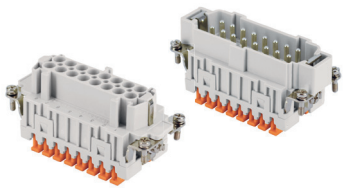
enclosures:
size “77.27” page:

JEI®-P thermoplastic lever ..... 96 - 97
JEI®-V zinc-plated steel lever ..... 110 - 114
T-TYPE IP65 insulating ..... 138 - 139

panel supports: page:

COB ..... 143 - 144

inserts,
spring terminal connections

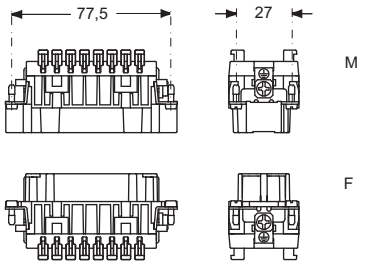


tin plated contacts

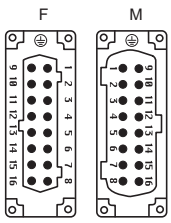
description	part No.
spring terminals with actuator button female inserts with female contacts male inserts with male contacts	**JSHF 16** **JSHM 16**

- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- certifications: UL, EAC
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 200 cycles
- contact resistance: ≤ 3 mΩ
- for maximum current load, see the following load curves inserts

dimensions in mm



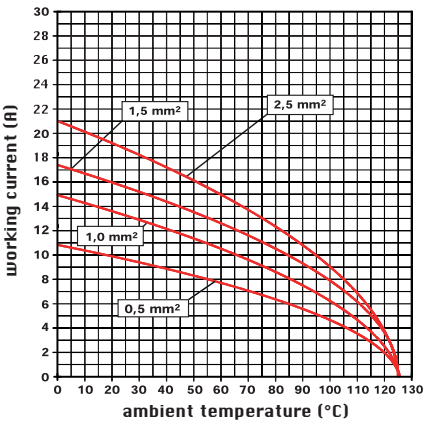
contacts side (front view)



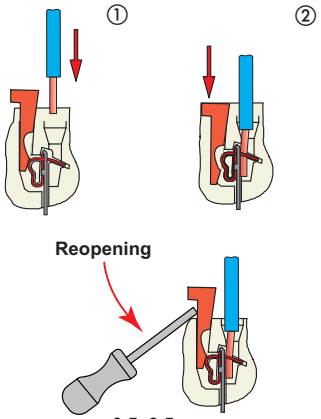
- inserts for connectors with the following sections:
  0,14 - 2,5 mm2 - AWG 26 - 14
- conductors stripping lenght: 9...11 mm *

* the stripping length for prepared wires with bush crimped depends on that of the bush itself

diagram JSH 16 poles



SQUICH® connections



dimensions shown are not binding
and may be changed without notice

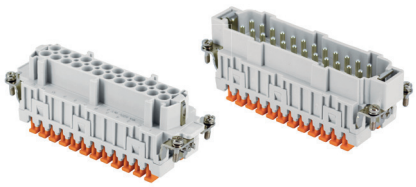
enclosures:
size "104.27" page:

JEI®-P thermoplastic lever ..... 98 - 99
JEI®-V zinc-plated steel lever ..... 115 - 119
T-TYPE IP65 insulating ..... 140 - 141

panel supports: page:

COB ..... 143 - 144

inserts,
spring terminal connections

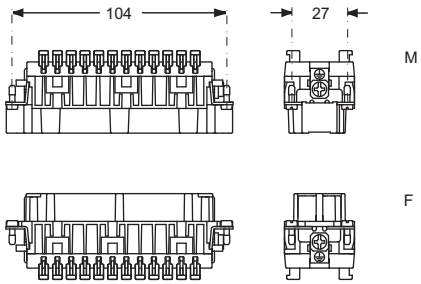


tin plated contacts

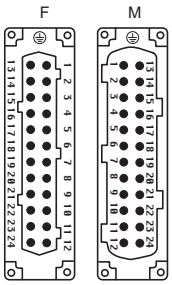
description	part No.
spring terminals with actuator button female inserts with female contacts male inserts with male contacts	**JSHF 24** **JSHM 24**

- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- certifications: UL, EAC
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 200 cycles
- contact resistance: ≤ 3 mΩ
- for maximum current load, see the following load curves inserts

dimensions in mm



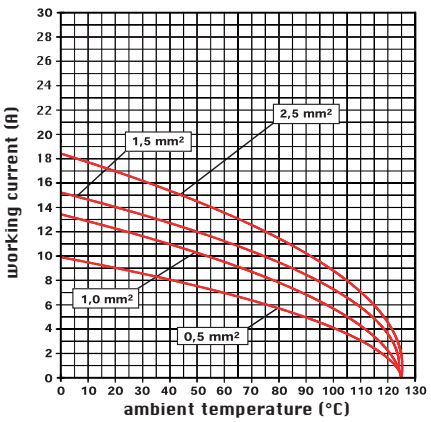
contacts side (front view)

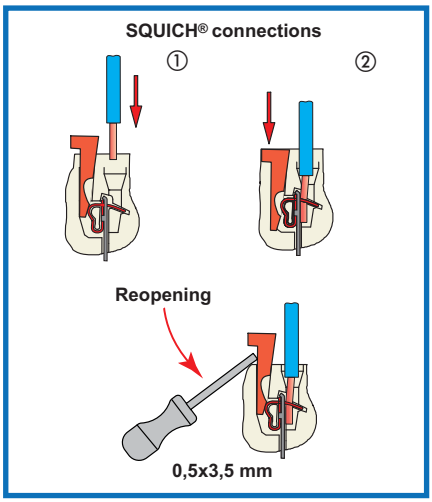


- inserts for connectors with the following sections:
  0,14 - 2,5 mm2 - AWG 26 - 14
- conductors stripping lenght: 9...11 mm *

* the stripping length for prepared wires with bush crimped depends on that of the bush itself

diagram JSH 24 poles



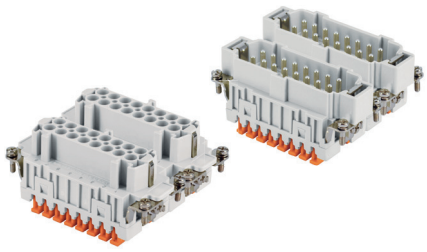


dimensions shown are not binding
and may be changed without notice

enclosures:
size “77.62” page:

JEI®-P thermoplastic lever ..... 100 - 101
JEI®-V zinc-plated steel lever ..... 120 - 121

inserts,
spring terminal connections

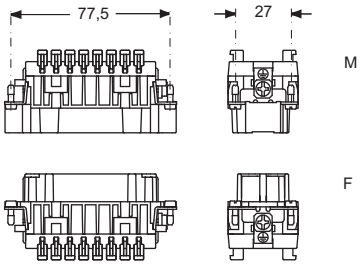


tin plated contacts

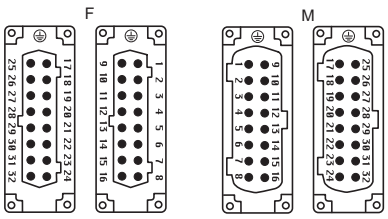
description	part No.	part No.
spring terminals with actuator button female inserts with female contacts, No. (1-16) and (17-32) male inserts with male contacts, No. (1-16) and (17-32)	**JSHF 16** **JSHM 16**	**JSHF 16 N** **JSHM 16 N**

- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- certifications: UL, EAC
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 200 cycles
- contact resistance: ≤ 3 mΩ
- for maximum current load, see the following load curves inserts

dimensions in mm



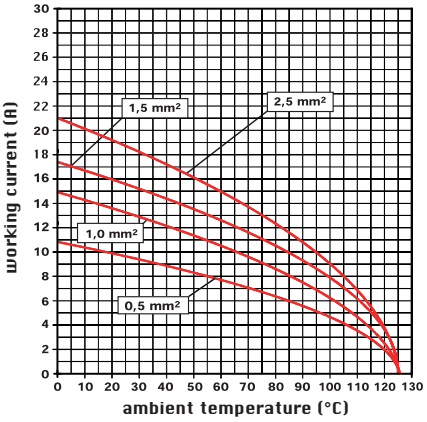
contacts side (front view)



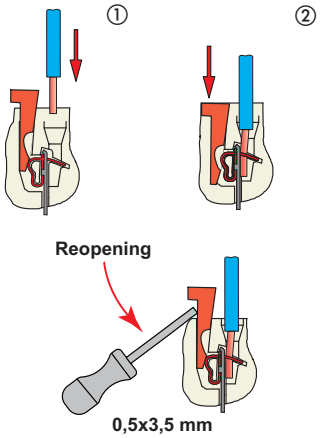
- inserts for connectors with the following sections:
  0,14 - 2,5 mm2 - AWG 26 - 14
- conductors stripping lenght: 9...11 mm *

* the stripping length for prepared wires with bush crimped depends on that of the bush itself

diagram JSH 32 poles



SQUICH® connections

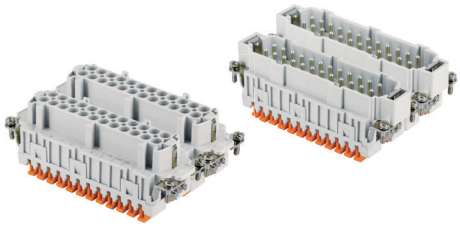


dimensions shown are not binding
and may be changed without notice

enclosures:
size “104.62” page:

JEI®-V zinc-plated steel lever 122

inserts,
spring terminal connections

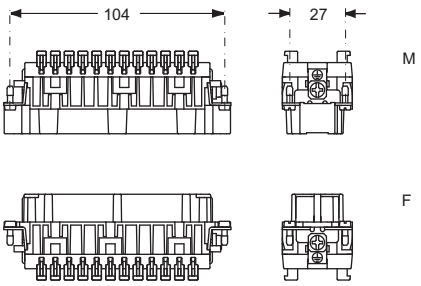


tin plated contacts

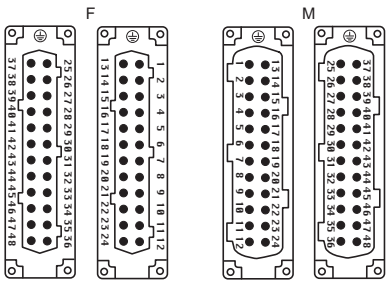
description	part No.	part No.
spring terminals with actuator button female inserts with female contacts, No. (1-24) and (25-48) male inserts with male contacts, No. (1-24) and (25-48)	**JSHF 24** **JSHM 24**	**JSHF 24 N** **JSHM 24 N**

- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- certifications: UL, EAC
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 200 cycles
- contact resistance: ≤ 3 mΩ
- for maximum current load, see the following load curves inserts

dimensions in mm



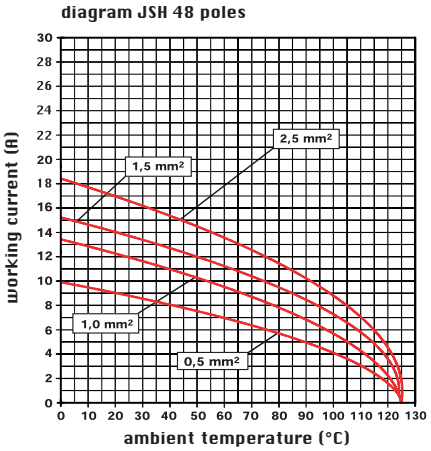
contacts side (front view)



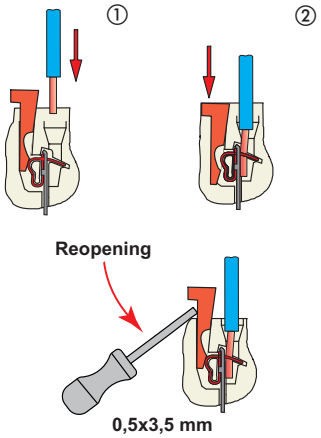
- inserts for connectors with the following sections:
  0,14 - 2,5 mm2 - AWG 26 - 14
- conductors stripping lenght: 9...11 mm *

* the stripping length for prepared wires with bush crimped depends on that of the bush itself

diagram JSH 48 poles



SQUICH® connections



dimensions shown are not binding
and may be changed without notice