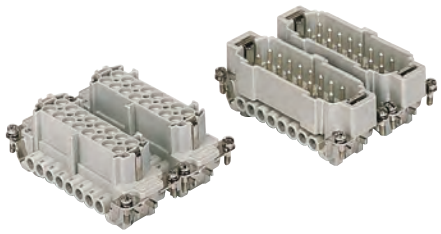
CNE CSH-SQUICH® 32 poles + ⏚ 16A - 500V

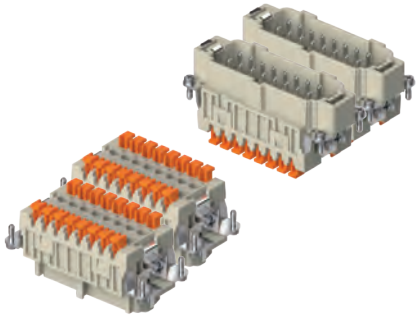
enclosures:
size "77.62" **page:**

C-TYPE IP65 or IP66/IP69	**424 - 429**
W-TYPE for aggressive environments	**525**
E-Xtreme® corrosion proof	**546**

inserts,
screw terminal connections



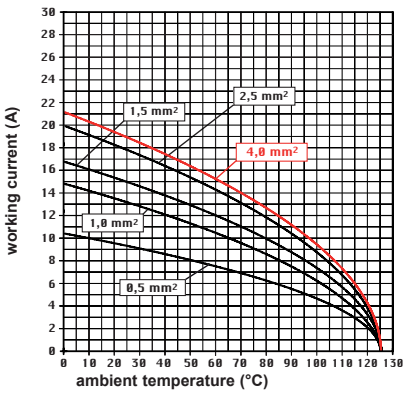
inserts,
spring terminal connections without tools



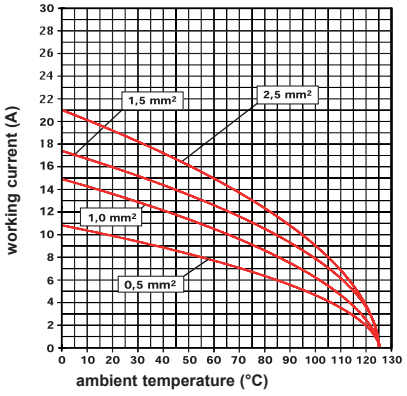
description	part No.	part No.	part No.	part No
indirect, with plate [1]				
female inserts, No. (1-16) and (17-32)	**CNEF 16 T**	**CNEF 16 TN**		
male inserts, No. (1-16) and (17-32)	**CNEM 16 T**	**CNEM 16 TN**		
direct, without plate [2]				
female inserts, No. (1-16) and (17-32)	**CNEF 16 TX**	**CNEF 16 TXN**		
male inserts, No. (1-16) and (17-32)	**CNEM 16 TX**	**CNEM 16 TXN**		
spring terminals with actuator button				
female inserts with female contacts, No. (1-16) and (17-32)			**CSHF 16**	**CSHF 16 N**
male inserts with male contacts, No. (1-16) and (17-32)			**CSHM 16**	**CSHM 16 N**

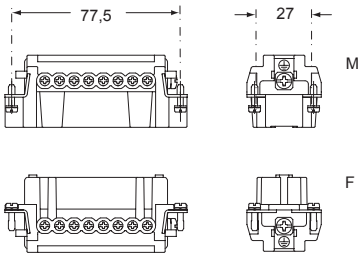
- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- c UL us (UL for USA and Canada), SP, CQC, DNV·GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ (CNE) - ≤ 3 mΩ (CSH)
- for max. current load see the connector inserts derating diagrams below; for more information see page 28

CNE 32 poles connector inserts
Maximum current load derating diagram

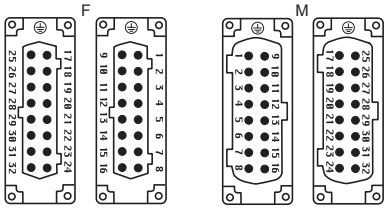


CSH 32 poles connector inserts
Maximum current load derating diagram





contacts side (front view)



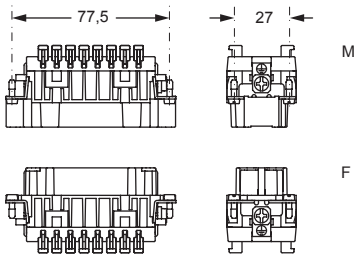
- inserts with plate for section conductors:
  0,5 - 4 mm² - AWG 20 - 12
- inserts without plate for section conductors:
  0,25 - 2,5 mm² - AWG 24 - 14
- conductors stripping length: 7 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more information see page 20 and 21

[1] for unprepared conductors

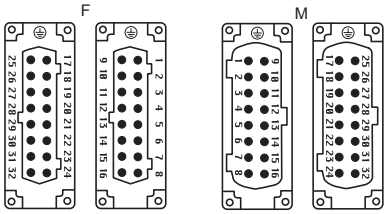


[2] for conductors with end sleeve ferrule



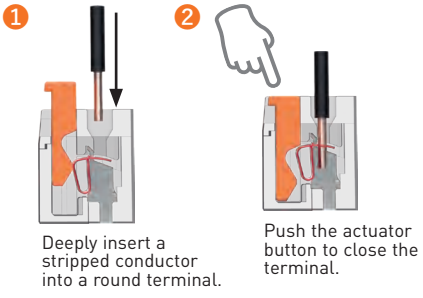


contacts side (front view)



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

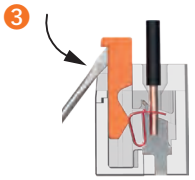
SQUICH®-spring connection technology
WIRING



Deeply insert a stripped conductor into a round terminal.

Push the actuator button to close the terminal.

RE-OPENING



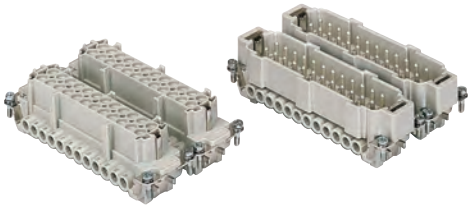
Insert a **0,5 x 3,5 mm** flat blade screwdriver in the actuator button side window and pull it up by levering down.

dimensions shown in mm are not binding and may be changed without notice

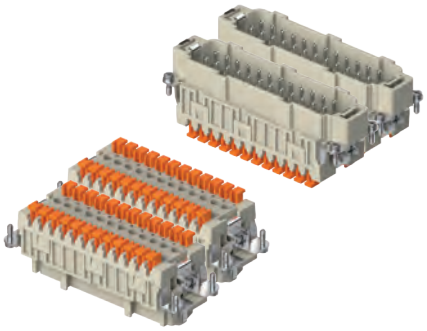
CNE CSH-SQUICK® 48 poles + ⏚ 16A - 500V

enclosures: size “104.62”	page:
C-TYPE IP65 or IP66/IP69	430
W-TYPE for aggressive environments	526
E-Xtreme® corrosion proof	547

inserts, screw terminal connections



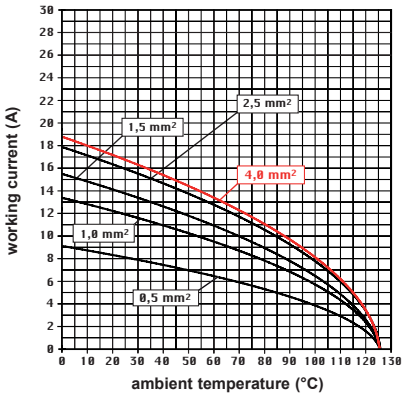
inserts, spring terminal connections without tools



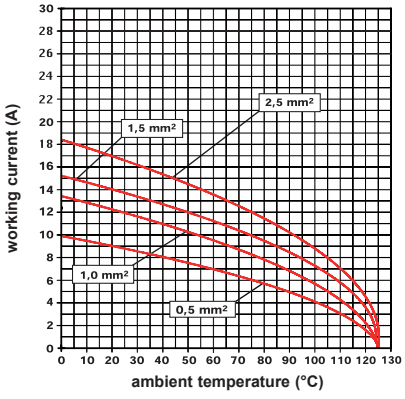
description	part No.	part No.	part No.	part No
indirect, with plate [1]				
female inserts, No. (1-24) and (25-48)	**CNEF 24 T**	**CNEF 24 TN**		
male inserts, No. (1-24) and (25-48)	**CNEM 24 T**	**CNEM 24 TN**		
direct, without plate [2]				
female inserts, No. (1-24) and (25-48)	**CNEF 24 TX**	**CNEF 24 TXN**		
male inserts, No. (1-24) and (25-48)	**CNEM 24 TX**	**CNEM 24 TXN**		
spring terminals with actuator button				
female inserts with female contacts, No. (1-24) and (25-48)			**CSHF 24**	**CSHF 24 N**
male inserts with male contacts, No. (1-24) and (25-48)			**CSHM 24**	**CSHM 24 N**

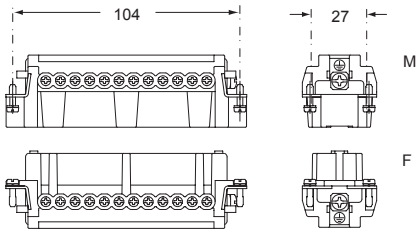
- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- c UL us (UL for USA and Canada), CSA, CQC, DNV·GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ (CNE) - ≤ 3 mΩ (CSH)
- for max. current load see the connector inserts derating diagrams below; for more information see page 28

CNE 48 poles connector inserts
Maximum current load derating diagram

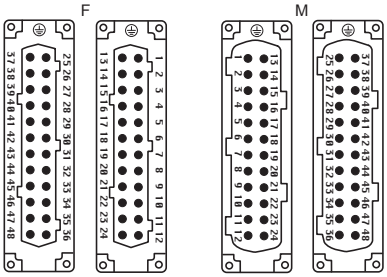


CSH 48 poles connector inserts
Maximum current load derating diagram





contacts side (front view)



- inserts with plate for section conductors:
  0,5 - 4 mm² - AWG 20 - 12
- inserts without plate for section conductors:
  0,25 - 2,5 mm² - AWG 24 - 14
- conductors stripping length: 7 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more information see page 20 and 21

[1] for unprepared conductors

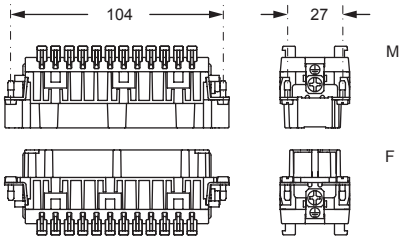
CNE ...



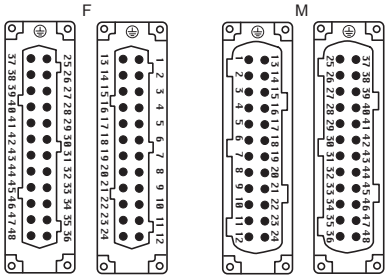
[2] for conductors with end sleeve ferrule

CNE ... X





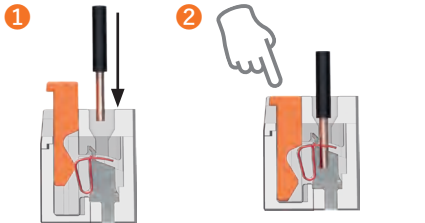
contacts side (front view)



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

SQUICK®-spring connection technology

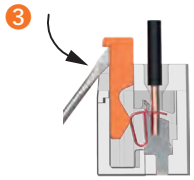
WIRING



Deeply insert a stripped conductor into a round terminal.

Push the actuator button to close the terminal.

RE-OPENING



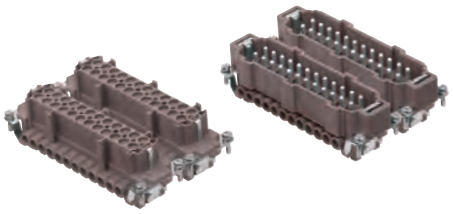
Insert a **0,5 x 3,5 mm** flat blade screwdriver in the actuator button side window and pull it up by levering down.

CNE...RY 48 poles + ⏚ 16A - 500V

enclosures:
size "104.62" **page:**

for 180 °C **590**

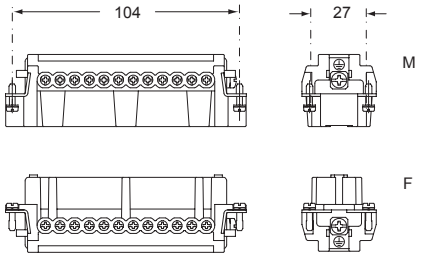
inserts,
screw terminal connections



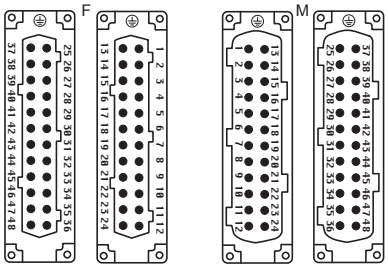
180 °C

description	part No.	part No.
indirect, with plate [1], use in up to 180 °C		
female inserts, No. (1-24) and (25-48), brown	**CNEF 24 RY**	**CNEF 24 RYN**
male inserts, No. (1-24) and (25-48), brown	**CNEM 24 RY**	**CNEM 24 RYN**

- characteristics according to EN 61984:
  16A 500V 6kV 3
  16A 400/690V 6kV 2
- c UL us (UL for USA and Canada), CSA, cec, DNV·GL
  BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +180 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

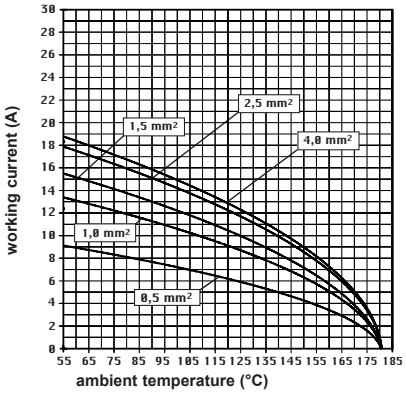


- inserts with plate for section conductors: 0,5 - 4 mm² - AWG 20 - 12
- conductors stripping length: 7 mm
- terminal screw torque: 0,5 Nm (4,4 lb.in), for more information see page 20 and 21

[1] for unprepared conductors



CNE...RY 48 poles connector inserts
Maximum current load derating diagram



dimensions shown in mm are not binding and may be changed without notice