

enclosures:

size "21.21"

page:

insulating CK 123 - 124

metallic CKA 125 - 127

- can be mated with JKS inserts

**inserts, 3 poles + ⊕
screw terminal connections**



tin plated contacts

**inserts, 4 poles + ⊕
screw terminal connections**



tin plated contacts

description

part No.

part No.

female inserts with female contacts ¹⁾
male inserts with male contacts

**JKF 03
JKM 03**

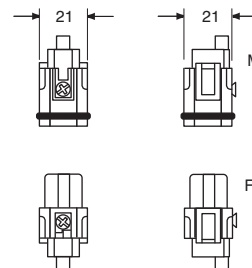
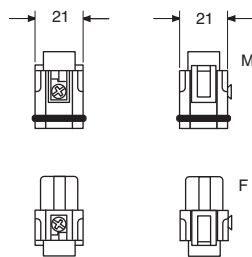
female inserts with female contacts ¹⁾
male inserts with male contacts

**JKF 04
JKM 04**

¹⁾ the female inserts can be mounted into the straight bulkhead housings CK I from the rear

dimensions in mm

dimensions in mm



- characteristics according to EN 61984:

10A 230/400V 4kV 3

- certifications: UL

- insulation resistance: ≥ 10 GΩ

- ambient temperature limit: -40 °C ... +100 °C

- are made of self-extinguishing thermoplastic resin UL 94 V1

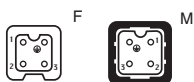
- mechanical life: ≥ 200 cycles

- contact resistance: ≤ 1 mΩ

- for maximum current load, see the following load curves inserts

contacts side (front view)

contacts side (front view)



- inserts for connectors with the following sections:

0.75 - 2.5 mm² - AWG 18 - 14

- conductors stripping length: 6 mm

- terminal screw torque: 0,5 Nm,

size screwdriver recommended: 0,5x3 mm

for more information see page 19

- inserts for connectors with the following sections:

0.75 - 2.5 mm² - AWG 18 - 14

- conductors stripping length: 6 mm

- terminal screw torque: 0,5 Nm,

size screwdriver recommended: 0,5x3 mm

for more information see page 19

diagram JK 03 poles

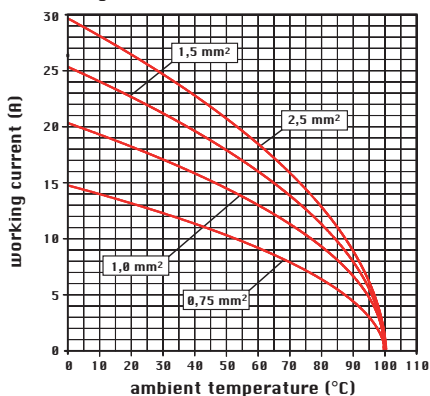
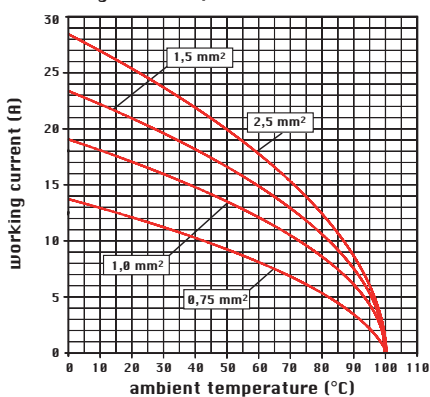


diagram JK 04 poles



coding pins optional CR K03 (page 26)



coding pins optional CR K04R/CR K04G (page 26)



dimensions shown are not binding
and may be changed without notice

contacts connected with spring terminal

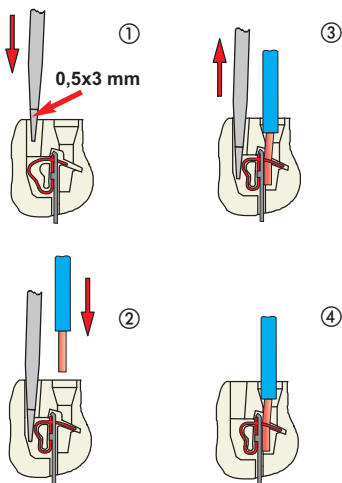
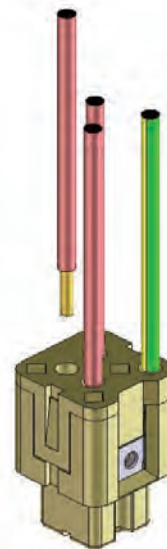
description
inserts: JKS

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

- no special wire preparation
- a screwdriver with a 0,5 x 3,5 mm blade is the only tool required to insert the wire in the contact
- offers an excellent fastening solution and a great resistance to strong vibrations
- allows rigid and flexible wires with sections between 0,14 and 2,5 mm² to be used (both with non-prepared conductors and those prepared with ferrule)
- allows conductivity tests under load to be carried out through the screwdriver insertion section, without splitting the insert
- greatly reduces insert preparation and cabling times.

inserts series		JKS
No. of poles	main contacts + ⊕	3, 4
	auxiliary contacts	--
rated current ¹⁾		10A
EN 61984 pollution degree 3	rated voltage	400V
	rated impulse withstand voltage	4kV
	pollution degree	3
contact resistance		≤ 1 mΩ
insulation resistance		≥ 10 GΩ
ambient temperature limit (°C)	min	-40
	max	+125
degree of protection	with enclosures	IP44, IP66, IP67, IP69K (secondo il tipo)
	without enclosures	IP20
conductor connections		a molla
conductor cross-section	mm ²	0.14 - 2.5 (for wires with crimped ferrule, usable section: up to 1,5 mm ² (AWG 16))
	AWG	26 - 14
mechanical endurance (rating cycles)		≥ 500

1) Please check the insert load curves to establish the actual maximum operating current according to the ambient temperature.

Connection with spring terminal

Rear top entry of wires for a more easier wiring


enclosures:

size "21.21"

page:

insulating CK 123 - 124

metallic CKA 125 - 127

- can be mated with JK inserts

**inserts, 3 poles + ⊕
connection with spring terminal**

 tin plated
contacts

**inserts, 4 poles + ⊕
connection with spring terminal**

 tin plated
contacts

description

part No.

part No.

 female inserts with female contacts
male inserts with male contacts

JKSF 03
JKSM 03

 female inserts with female contacts
male inserts with male contacts

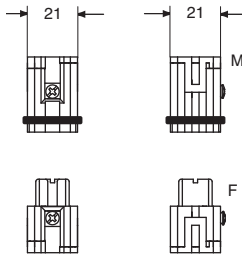
JKSF 04
JKSM 04

- characteristics according to EN 61984:

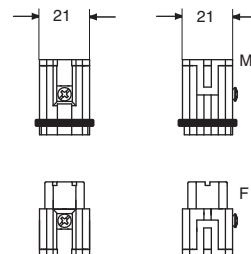
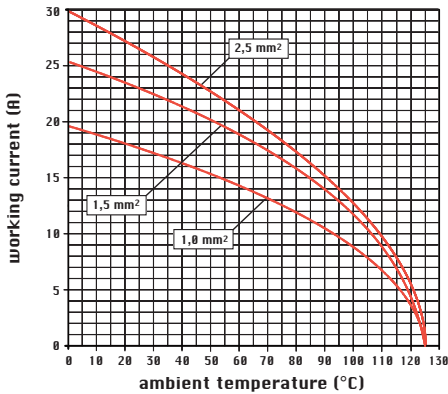
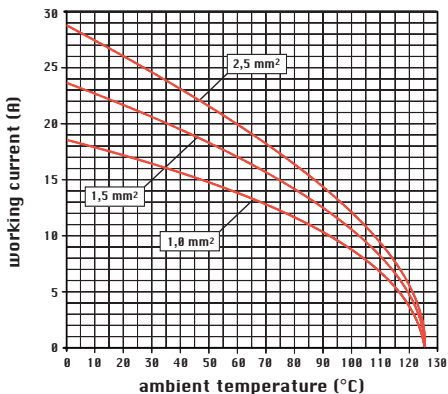
10A 400V 4kV 3

- certifications: cUL (UL for USA and Canada)
- 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: ≥ 200 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts

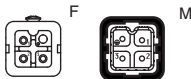
dimensions in mm



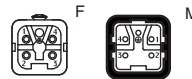
dimensions in mm


diagram JKS 03 poles

diagram JKS 04 poles


contacts side (front view)



contacts side (front view)



- inserts for wires with the following sections: 0,14 - 2,5 mm² - AWG 26 - 14 for prepared wires with crimped bush, usable section: up to 1,5 mm² (AWG 16)
- conductors stripping length: 9...11 mm *
- size screwdriver recommended: 0,5x3 mm

- inserts for wires with the following sections: 0,14 - 2,5 mm² - AWG 26 - 14 for prepared wires with crimped bush, usable section: up to 1,5 mm² (AWG 16)
- conductors stripping length: 9...11 mm *
- size screwdriver recommended: 0,5x3 mm

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

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

coding pins optional CR K03 (page 26)



coding pins optional CR K04R/CR K04G (page 26)


 dimensions shown are not binding
and may be changed without notice

enclosures:

size "49.16"

page:

JEI®-P thermoplastic lever 88 - 89

panel supports:

page:

COB + adaptor 143 - 145

**inserts,
screw terminal connections**

 tin plated
contacts

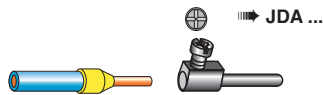
description

part No.

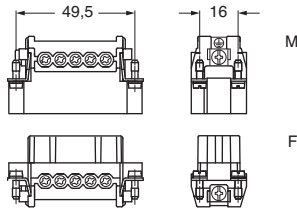
 indirect , without plate ¹⁾

female inserts with female contacts

male inserts with male contacts

**JDAF 10
JDAM 10**
¹⁾ for bush terminal conductors


dimensions in mm



- characteristics according to EN 61984:

16A 250V 4kV 3
16A 230/400V 4kV 2

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

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

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

 - mechanical life: ≥ 200 cycles

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

- for maximum current load, see the following load curves inserts

contacts side (front view)

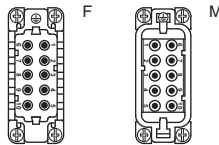
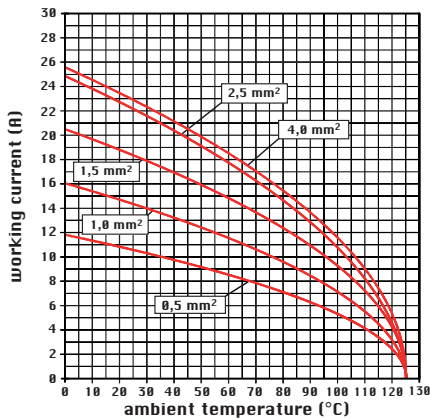


diagram JDA 10 poles



- inserts without plate for section conductors:

 0,25 - 2,5 mm² - AWG 24 - 14

- the stripping length for prepared wires with bush

crimped depends on that of the bush itself

- terminal screw torque: 0,5 Nm, for more information

see page 19

 dimensions shown are not binding
and may be changed without notice

enclosures:

size "66.16"

page:

JEI®-P thermoplastic lever 90 - 91

panel supports:

page:

COB + adaptor 143 - 145

**inserts,
screw terminal connections**

 tin plated
contacts

description

part No.

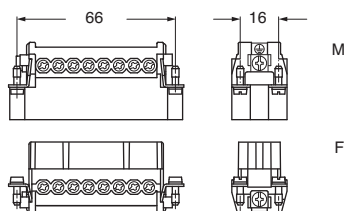
 indirect , without plate ¹⁾

female inserts with female contacts

male inserts with male contacts

JDAF 16
JDAM 16
¹⁾ for bush terminal conductors

dimensions in mm



- characteristics according to EN 61984:

16A 250V 4kV 3
16A 230/400V 4kV 2

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

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

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

 - durata meccanica: ≥ 200 cycles

 - resistenza di contatto: $\leq 3 \text{ m}\Omega$

- per la portata di corrente ammissibile vedere le seguenti curve di carico frutti

contacts side (front view)

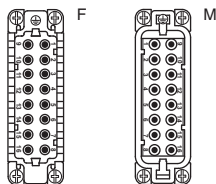
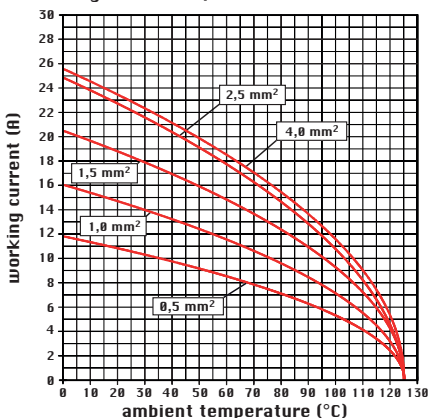


diagram JDA 16 poles



- inserts without plate for section conductors:

 0,25 - 2,5 mm² - AWG 24 - 14

- the stripping length for prepared wires with bush

crimped depends on that of the bush itself

- terminal screw torque: 0,5 Nm, for more information

see page 19

 dimensions shown are not binding
and may be changed without notice

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,
screw terminal connections



tin plated
contacts

inserts,
spring terminal connections



tin plated
contacts

description

part No.

part No.

indirect, with plate 1)
female inserts with female contacts
male inserts with male contacts

JNEF 06
JNEM 06

spring terminal
female inserts with female contacts
male inserts with male contacts

JSEF 06
JSEM 06

- characteristics according to EN 61984:

16A 500V 6kV 3

16A 400/690V 6kV 2

- certifications: cUL (UL for USA and Canada)

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

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

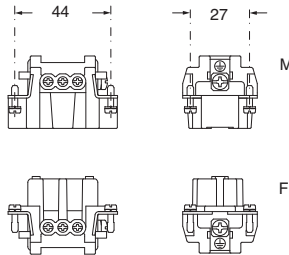
- are made of self-extinguishing thermoplastic resin UL 94 V0

- mechanical life: ≥ 200 cycles

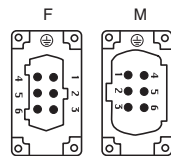
- contact resistance: $\leq 1 \text{ m}\Omega$ (JCNE) - $\leq 3 \text{ m}\Omega$ (JCSE)

- for maximum current load, see the following load curves inserts

dimensions in mm

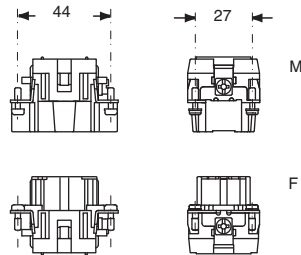


contacts side (front view)

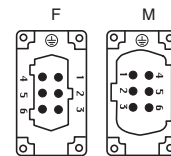


- inserts with plate for section conductors:
0.5 - 4 mm² - AWG 20 - 12
- conductors stripping length: 7 mm
- terminal screw torque: 0.5 Nm, for more information see page 19

dimensions in mm



contacts side (front view)



- inserts for section conductors:
0.14 - 2.5 mm² - AWG 26 - 14
- conductors stripping length: 9...11 mm *

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

diagram JNE 06 poles

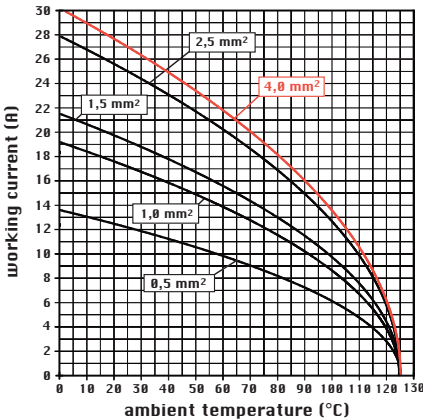
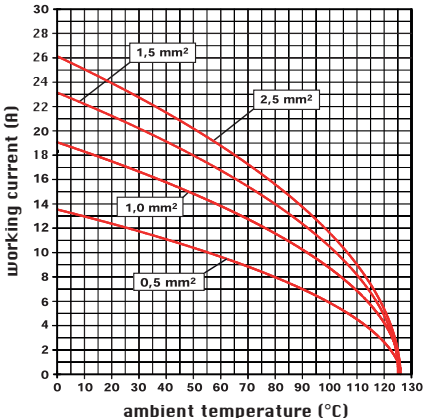
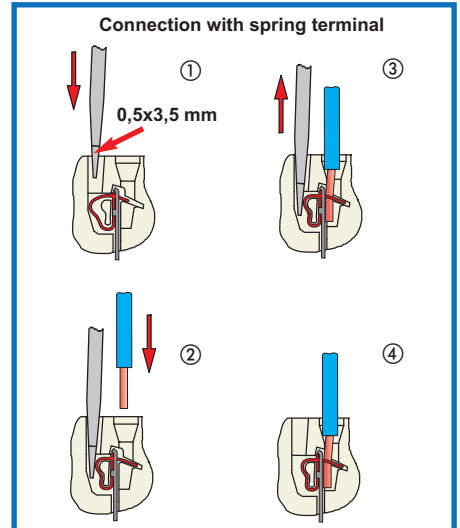
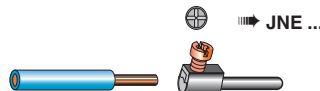


diagram JSE 06 poles



dimensions shown are not binding
and may be changed without notice

1) for non-prepared conductors



enclosures:

size "57.27"

page:

JEI®-P thermoplastic lever 94 - 95

JEI®-V zinc-plated steel lever 105 - 109

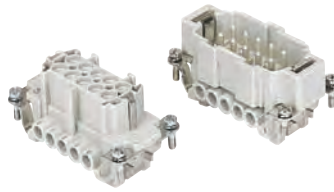
T-TYPE IP65 insulating 136 - 137

panel supports:

page:

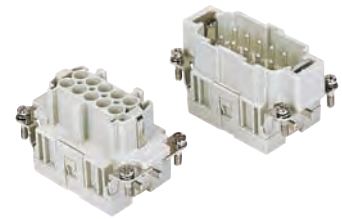
COB 143 - 144

inserts,
screw terminal connections



tin plated
contacts

inserts,
spring terminal connections



tin plated
contacts

description

part No.

part No.

indirect, with plate 1)
female inserts with female contacts
male inserts with male contacts

JNEF 10
JNEM 10

spring terminal
female inserts with female contacts
male inserts with male contacts

JSEF 10
JSEM 10

- characteristics according to EN 61984:

16A 500V 6kV 3

16A 400/690V 6kV 2

- certifications: cUL (UL for USA and Canada)

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

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

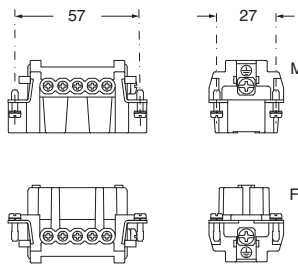
- are made of self-extinguishing thermoplastic resin UL 94 V0

- mechanical life: ≥ 200 cycles

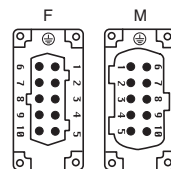
- contact resistance: $\leq 1 \text{ m}\Omega$ (JCNE) - $\leq 3 \text{ m}\Omega$ (JCSE)

- for maximum current load, see the following load curves inserts

dimensions in mm



contacts side (front view)



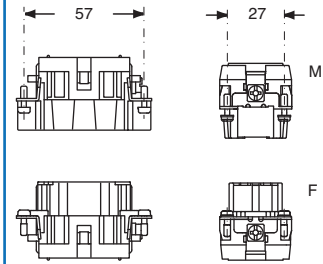
- inserts with plate for section conductors:

0.5 - 4 mm² - AWG 20 - 12

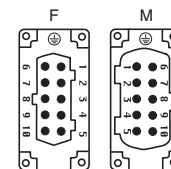
- conductors stripping length: 7 mm

- terminal screw torque: 0.5 Nm, for more information see page 19

dimensions in mm



contacts side (front view)



- inserts for section conductors:

0.14 - 2.5 mm² - AWG 26 - 14

- conductors stripping length: 9...11 mm *

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

diagram JNE 10 poles

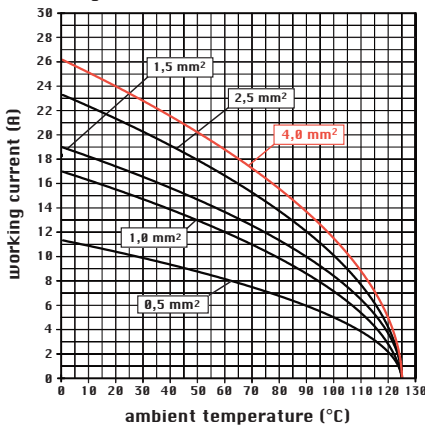
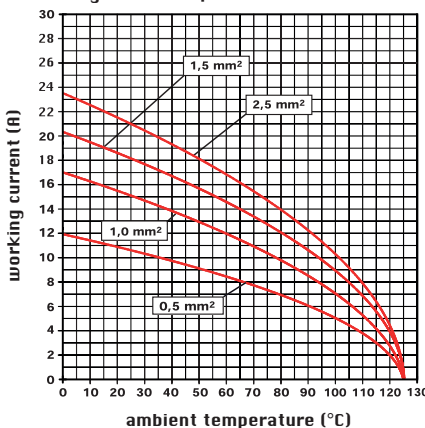
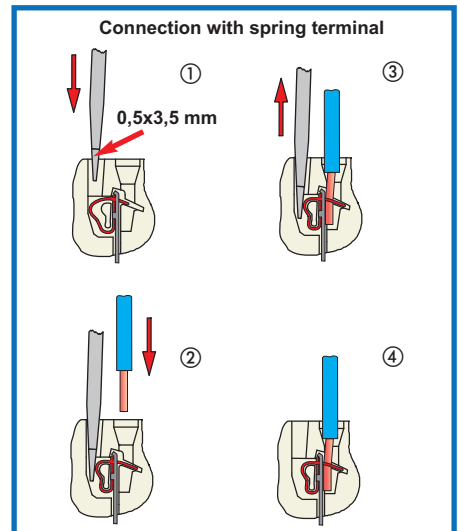
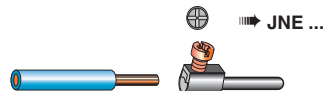


diagram JSE 10 poles



dimensions shown are not binding
and may be changed without notice

1) for non-prepared conductors



enclosures:

size "77.27" page:

JEI®-P thermoplastic lever 96 - 97

JEI®-V zinc-plated steel lever 110 - 114

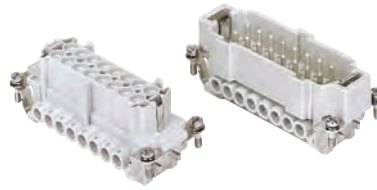
T-TYPE IP65 insulating 138 - 139

panel supports:

page:

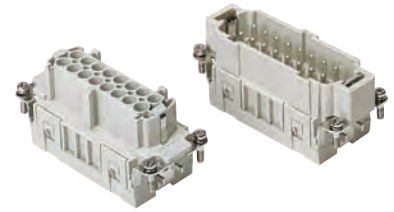
COB 143 - 144

inserts,
screw terminal connections



tin plated
contacts

inserts,
spring terminal connections



tin plated
contacts

description

part No.

part No.

indirect, with plate 1)
female inserts with female contacts
male inserts with male contacts

JNEF 16
JNEM 16

spring terminal
female inserts with female contacts
male inserts with male contacts

JSEF 16
JSEM 16

- characteristics according to EN 61984:

16A 500V 6kV 3

16A 400/690V 6kV 2

- certifications: cUL (UL for USA and Canada)

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

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

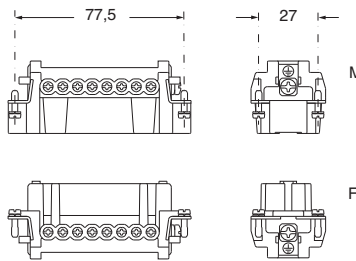
- are made of self-extinguishing thermoplastic resin UL 94 V0

- mechanical life: ≥ 200 cycles

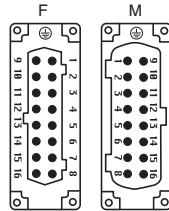
- contact resistance: $\leq 1 \text{ m}\Omega$ (JCNE) - $\leq 3 \text{ m}\Omega$ (JCSE)

- for maximum current load, see the following load curves inserts

dimensions in mm

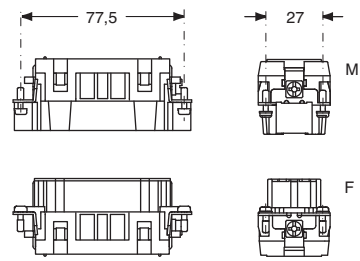


contacts side (front view)

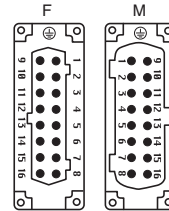


- inserts with plate for section conductors: 0.5 - 4 mm² - AWG 20 - 12
- conductors stripping length: 7 mm
- terminal screw torque: 0.5 Nm, for more information see page 19

dimensions in mm



contacts side (front view)



- inserts for section conductors: 0.14 - 2.5 mm² - AWG 26 - 14
- conductors stripping length: 9...11 mm *
- * the stripping length for prepared wires with bush crimped depends on that of the bush itself

diagram JNE 16 poles

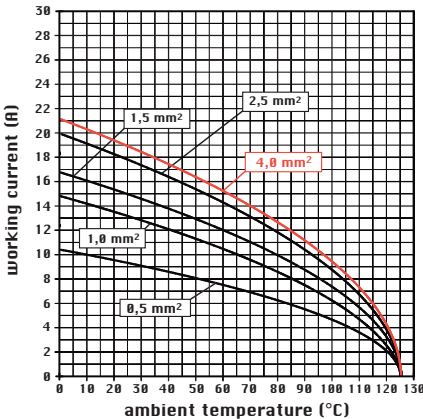
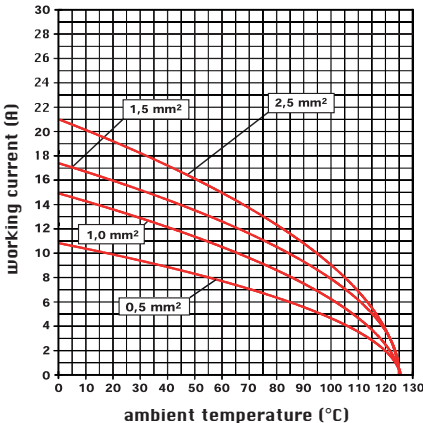
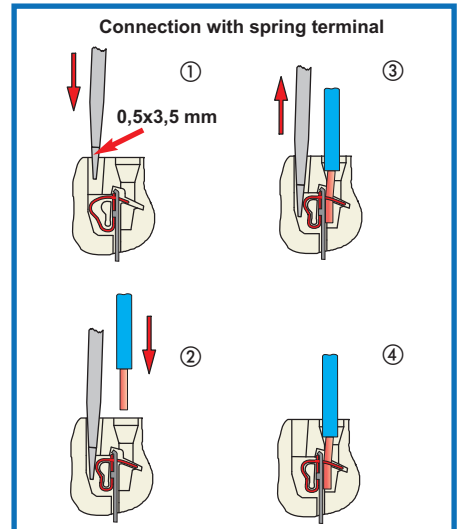
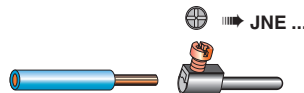


diagram JSE 16 poles



dimensions shown are not binding
and may be changed without notice

1) for non-prepared conductors



enclosures:

size "104.27" page:

JEI®-P thermoplastic lever 98 - 99

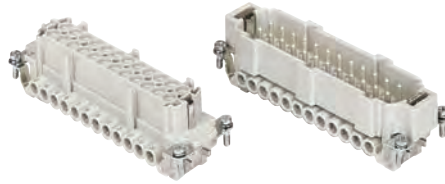
JEI®-V zinc-plated steel lever 115 - 119

T-TYPE IP65 insulating 140 - 141

panel supports: page:

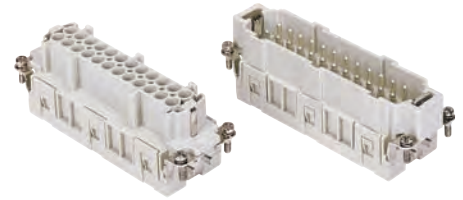
COB 143 - 144

**inserts,
screw terminal connections**



tin plated
contacts

**inserts,
spring terminal connections**



tin plated
contacts

description

part No.

part No.

indirect, with plate 1)
female inserts with female contacts
male inserts with male contacts

JNEF 24
JNEM 24

spring terminal
female inserts with female contacts
male inserts with male contacts

JSEF 24
JSEM 24

- characteristics according to EN 61984:

16A 500V 6kV 3

16A 400/690V 6kV 2

- certifications: cUL (UL for USA and Canada)

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

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

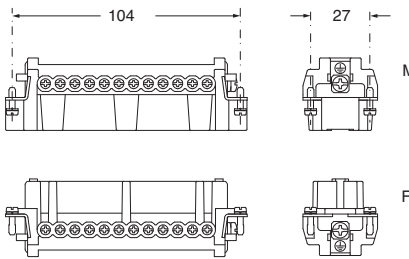
- are made of self-extinguishing thermoplastic resin UL 94 V0

- mechanical life: ≥ 200 cycles

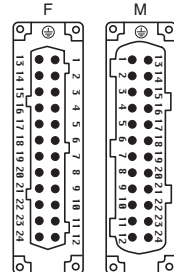
- contact resistance: $\leq 1 \text{ m}\Omega$ (JCNE) - $\leq 3 \text{ m}\Omega$ (JCSE)

- for maximum current load, see the following load curves inserts

dimensions in mm



contacts side (front view)

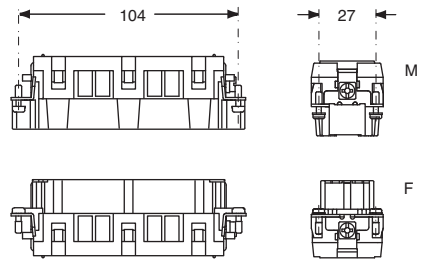


- inserts with plate for section conductors:
0.5 - 4 mm² - AWG 20 - 12

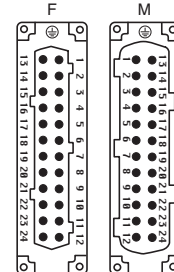
- conductors stripping length: 7 mm

- terminal screw torque: 0.5 Nm, for more information see page 19

dimensions in mm



contacts side (front view)



- inserts for section conductors:

0.14 - 2.5 mm² - AWG 26 - 14

- conductors stripping length: 9...11 mm *

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

diagram JNE 24 poles

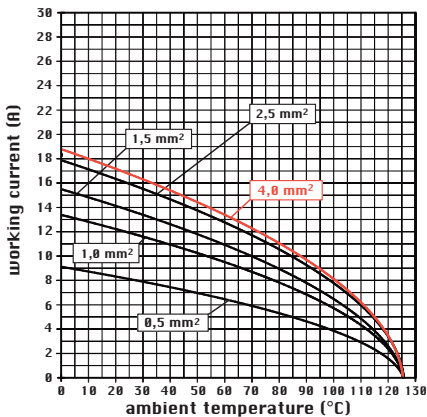
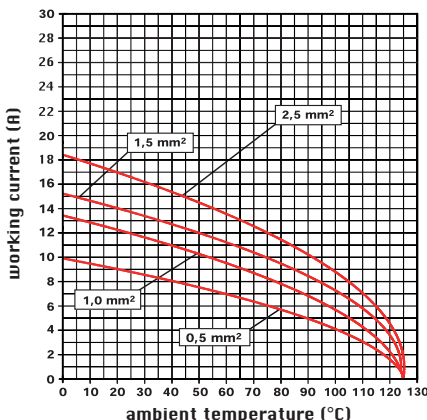
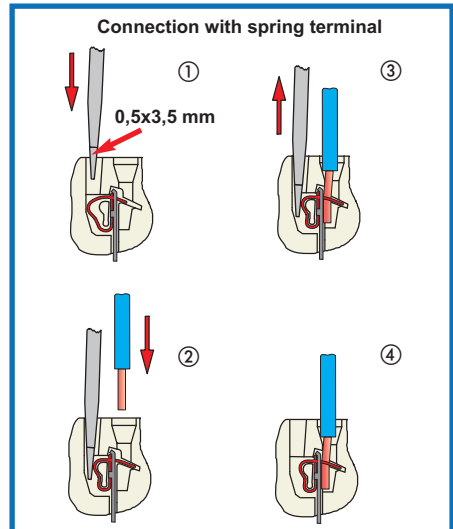
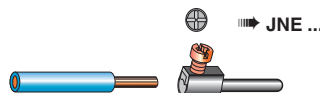


diagram JSE 24 poles



dimensions shown are not binding
and may be changed without notice

1) for non-prepared conductors

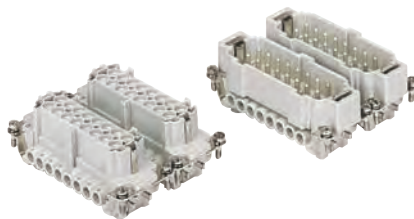


enclosures:
size "77.62"

page:

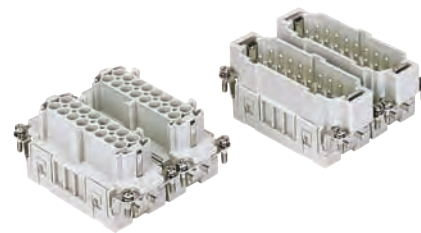
JEI®-P thermoplastic lever 100 - 101
JEI®-V zinc-plated steel lever 120 - 121

inserts,
screw terminal connections



tin plated
contacts

inserts,
spring terminal connections



tin plated
contacts

description	part No.	part No.	part No.	part No.
-------------	----------	----------	----------	----------

indirect, with plate 1)
female inserts, No. (1-16) and (17-32)
male inserts, No. (1-16) and (17-32)

JNEF 16
JNEM 16

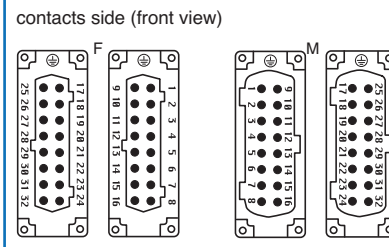
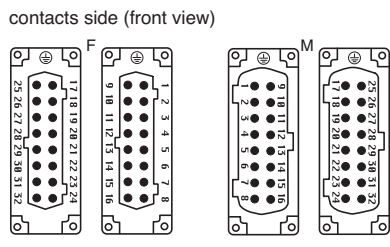
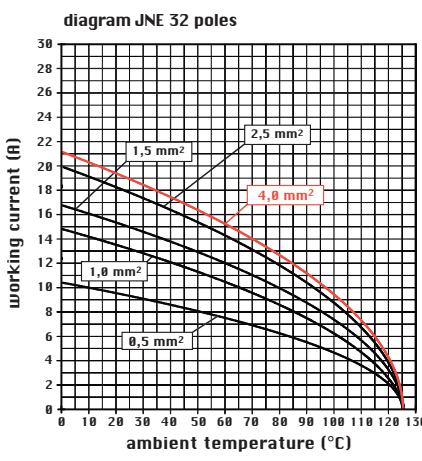
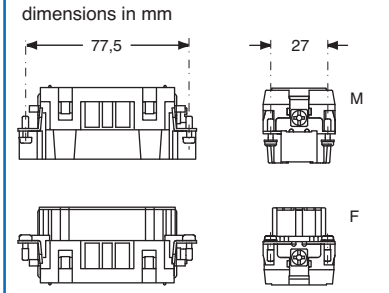
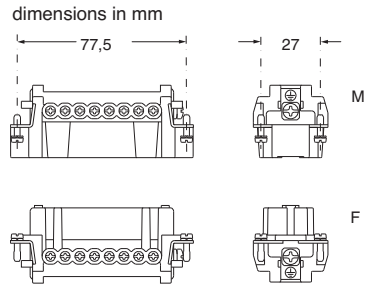
JNEF 16 N
JNEM 16 N

spring terminal
female inserts, No. (1-16) and (17-32)
male inserts, No. (1-16) and (17-32)

JSEF 16
JSEM 16

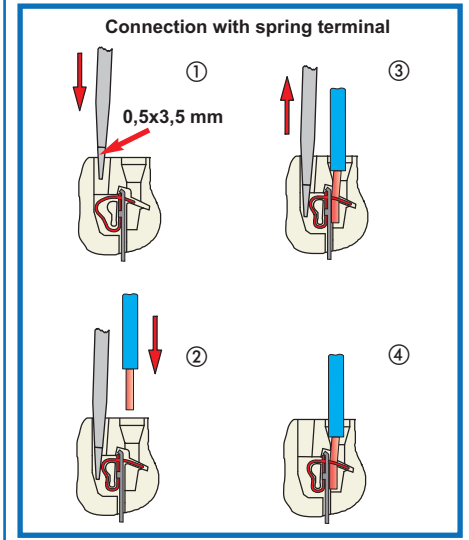
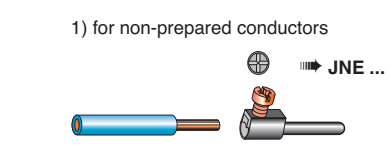
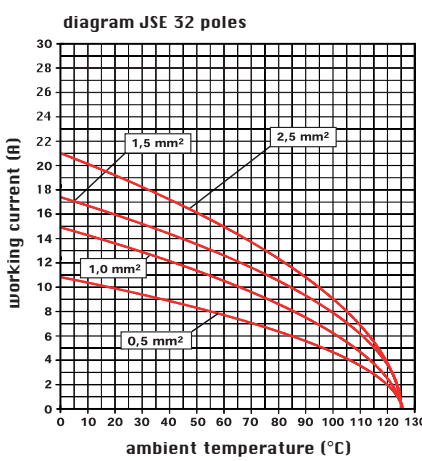
JSEF 16 N
JSEM 16 N

- characteristics according to EN 61984:
- 16A 500V 6kV 3**
- 16A 400/690V 6kV 2**
- certifications: cUL (UL for USA and Canada)
- 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: ≥ 200 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$ (JCNE) - $\leq 3 \text{ m}\Omega$ (JCSE)
- for maximum current load, see the following load curves inserts



- inserts with plate for section conductors:
0.5 - 4 mm² - AWG 20 - 12
- conductors stripping length: 7 mm
- terminal screw torque: 0.5 Nm, for more information see page 19

- inserts for section conductors:
0.14 - 2.5 mm² - AWG 26 - 14
 - conductors stripping length: 9...11 mm *
- * the stripping length for prepared wires with bush crimped depends on that of the bush itself



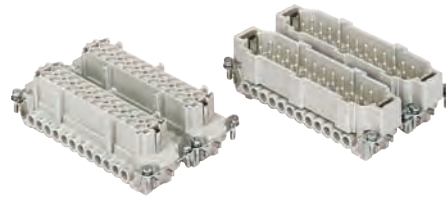
dimensions shown are not binding
and may be changed without notice

enclosures:
size "104.62"

page:

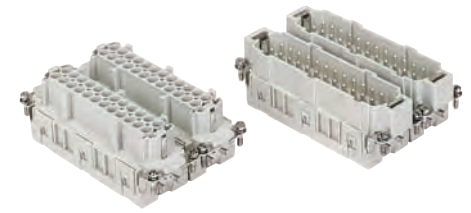
JEI®-V zinc-plated steel lever 122

inserts,
screw terminal connections



tin plated
contacts

inserts,
spring terminal connections



tin plated
contacts

description	part No.	part No.	part No.	part No.
-------------	----------	----------	----------	----------

indirect, with plate 1)
female inserts, No. (1-24) and (25-48)
male inserts, No. (1-24) and (25-48)

JNEF 24
JNEM 24

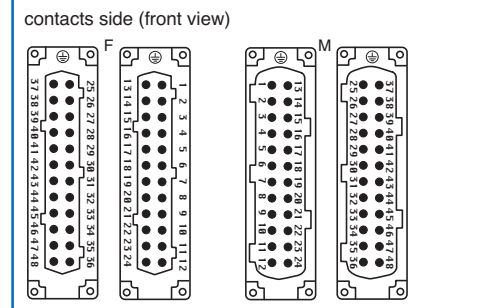
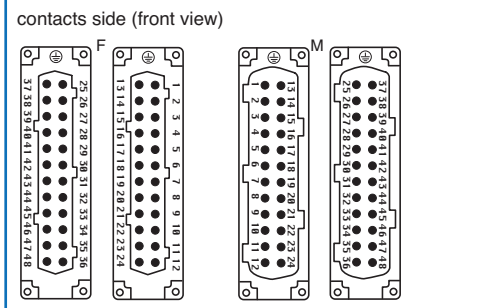
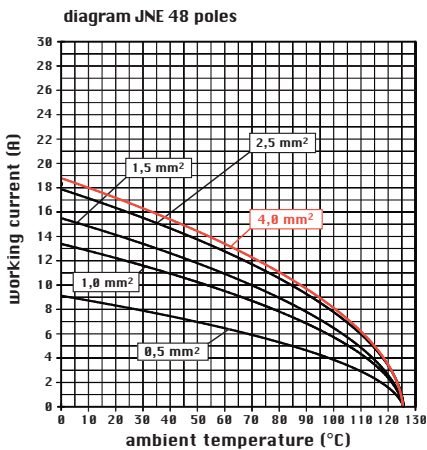
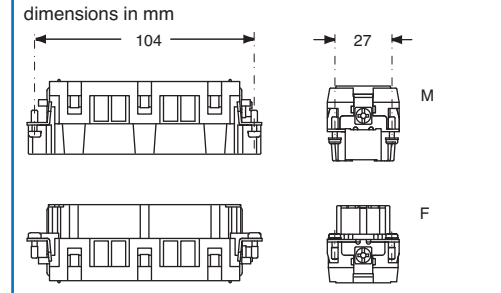
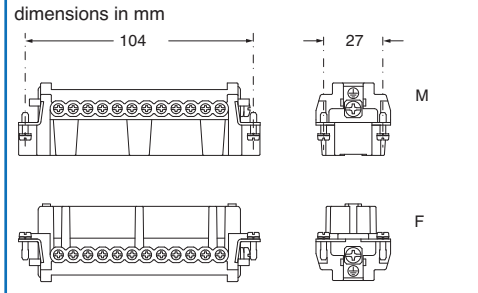
JNEF 24 N
JNEM 24 N

spring terminal
female inserts, No. (1-24) and (25-48)
male inserts, No. (1-24) and (25-48)

JSEF 24
JSEM 24

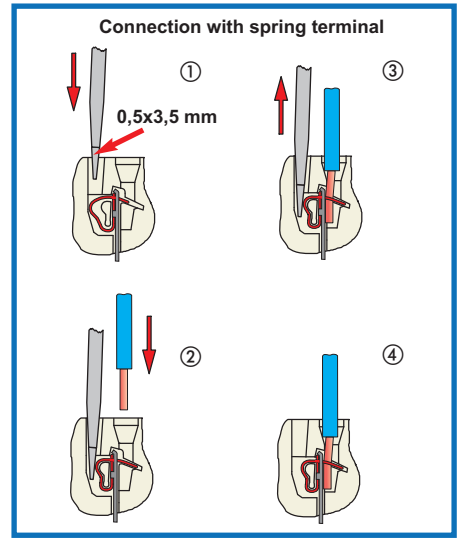
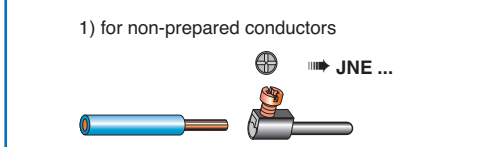
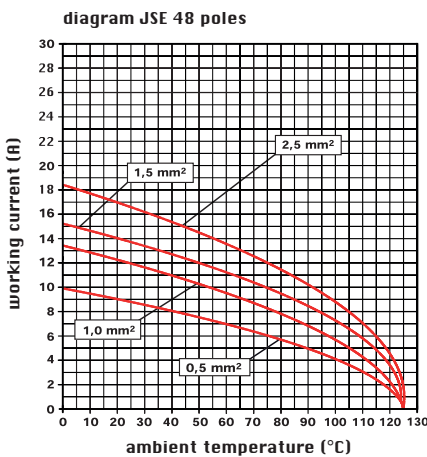
JSEF 24 N
JSEM 24 N

- characteristics according to EN 61984:
- 16A 500V 6kV 3**
- 16A 400/690V 6kV 2**
- certifications: cUL (UL for USA and Canada)
- 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: ≥ 200 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$ (JCNE) - $\leq 3 \text{ m}\Omega$ (JCSE)
- for maximum current load, see the following load curves inserts



- inserts with plate for section conductors: 0.5 - 4 mm² - AWG 20 - 12
- conductors stripping length: 7 mm
- terminal screw torque: 0.5 Nm, for more information see page 19

- inserts for section conductors: 0.14 - 2.5 mm² - AWG 26 - 14
- conductors stripping length: 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