

Use

The CTE - CTSE - CT series multipole connectors (with incorporated terminal block) are recommended for greater cost-saving and safety for use on machines and command and control panels.

The CTE - CTSE - CT series inserts (16A max versions) are supplied in the plug or socket versions and may be mounted with insertion from the front of the enclosure (Figure 1 for all the polarities of the inserts) or with insertion from the rear of the enclosure (Figure 2, only for 16 and 24-pole inserts).

As an alternative to the traditional terminal blocks, the inserts can be mounted inside the control panels on DIN EN rails (Figure 5) using suitable accessories providing the added advantage of easy sectioning.

The special structure of the CTE - CTSE - CT inserts has all the conductor connections on the same side providing for easier wiring and a complete view of the work area.

The terminal block also has slots for housing the identification wire markers of each contact.

Wire markers of different manufacturers may be used such as: Cabur, Grafoplast, Modernotecnica, Phoenix, Siemens, Wago, Weidmüller.

The CTE - CTSE - CT series is available in the versions "left" and "right" for mounting on the left (Figure 3) or on the right (Figure 4) of the control panel walls.

This characteristic is determined by the position of contact "1" and the ground terminal in the upper part of the insert terminal block for both left and right mounting.

The installation of inserts on DIN rails (Figure 5) inside the control panels is usually made to facilitate the wiring into sectionable parts.

In this case the degree of protection for coupled connectors is IP20 (in accordance with EN 60529).

This type of mounting requires supports (CT APE) to be provided to the inserts suitable for mounting on DIN EN 60715 rails.

Furthermore, to ensure a stable and secure mating between the CTE, CTSE and CT inserts installed on DIN rails and counterparts CNE, CSE, CCE, mating screws CRBF (female) and CRBM (male) are recommended, to replace the ordinary fastening screws to the enclosures (Figure 5).

Figure 1 (front mounting)

The insert is inserted into the bulkhead housing without wired conductors or with pre-wired conductors that are not connected at the opposite end.

Mounting for inserts of 06, 10, 16 and 24 poles

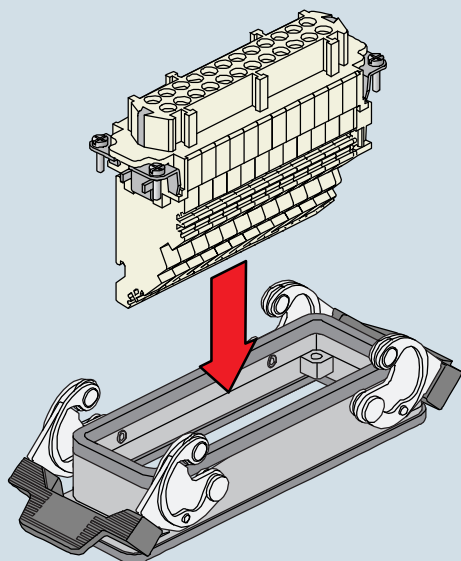
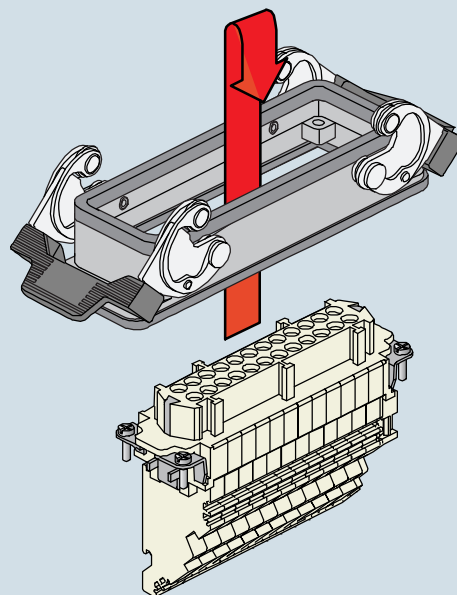


Figure 2 (rear mounting)

The insert is inserted into the bulkhead housing with pre-wired conductors connected at the opposite end.

Mounting for inserts of 16 and 24 poles



Except version T-TYPE

Figure 3 (left mounting)

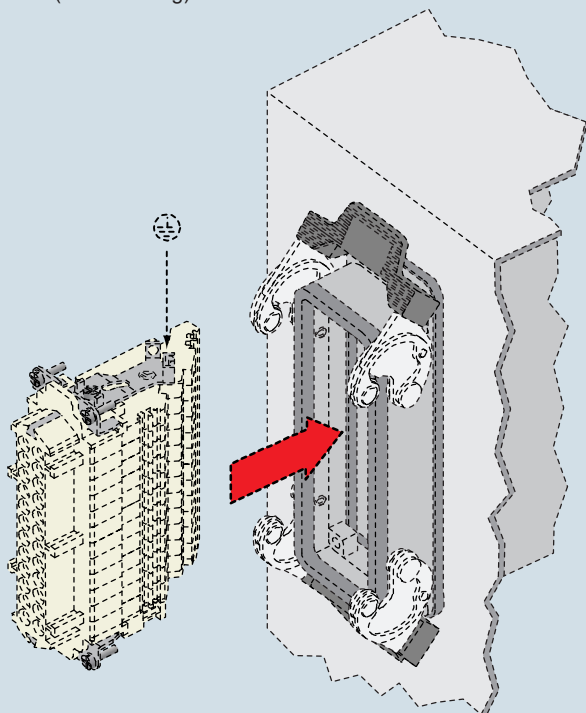


Figure 4 (right mounting)

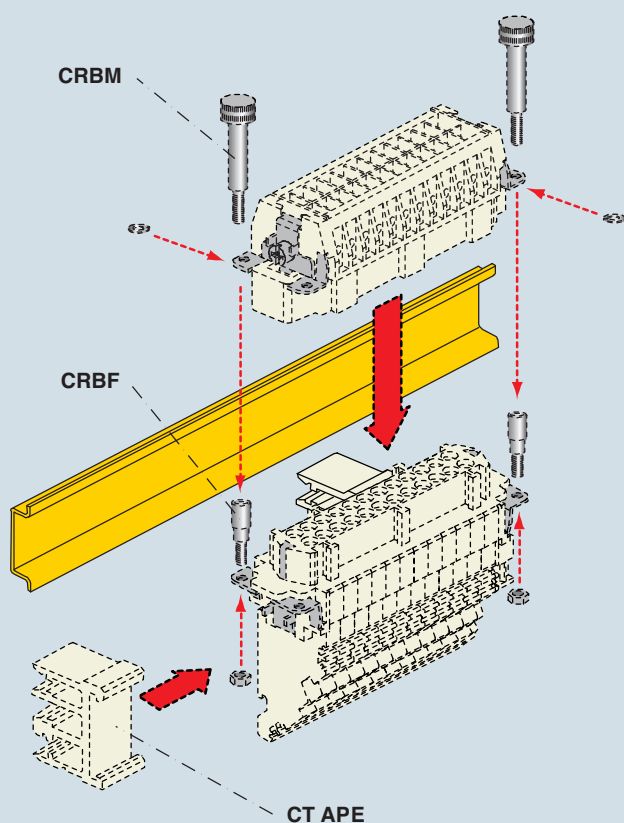
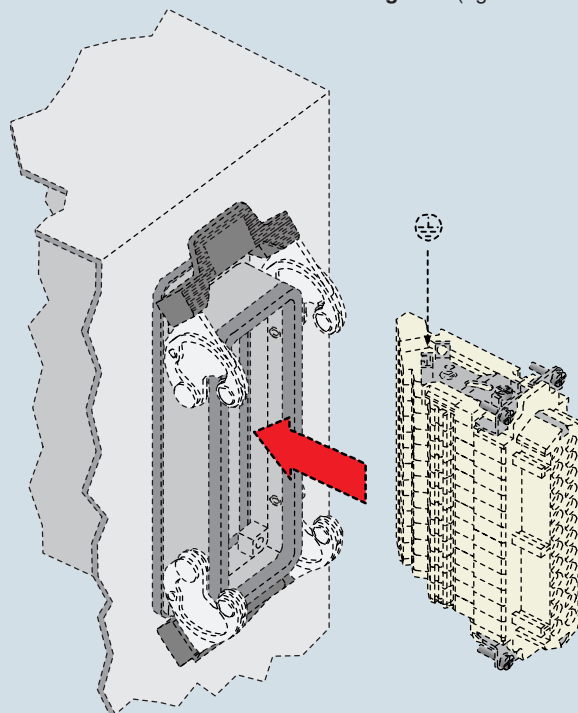
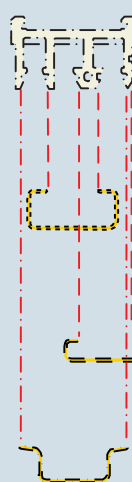


Figure 5 (mounting on DIN rail)



CT APE

possibility of coupling to DIN EN 60715 rail (for a greater stability of the CTE inserts of 16 and 24 poles we recommend using the two CT APE supports)

EN 60715
C 30

EN 60715
G 32

EN 60715
TH 35-7.5 and TH 35-15

accessories for CTE inserts

- support for mounting on DIN rails (**CT APE** page 422)
- inserts coupling screws (**CRBM** and **CRBF** page 422)
- cable-clamping plates (**CRAD** and **CRAS** page 422)

enclosures *):
size "44.27"

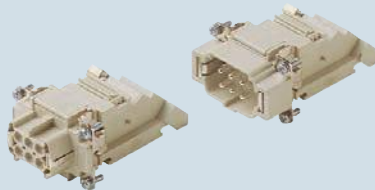
page:

C-TYPE IP65/IP66	218 and 221
C7 IP67 stainless steel lever	254
V-TYPE IP65/IP66 stainless steel lever	260
T-TYPE IP65 insulating	282
JEI zinc-plated steel lever	288
BIG hoods	304 - 306
aggressive environments	329
EMC	348

*) only bulkhead mounted housing

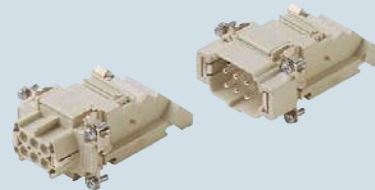
- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

terminal block inserts screw terminal connection



IN PREPARATION

terminal block inserts spring terminal connection



description	part No.	part No.	part No.	part No.
side mounting (see page 125) female inserts with female contacts 1) male inserts with male contacts 1)	left CTEF 06 L CTEM 06 L	right CTEF 06 R CTEM 06 R	left CTSEF 06 L CTSEM 06 L	right CTSEF 06 R CTSEM 06 R
side mounting (see page 125) female inserts with female contacts male inserts with male contacts				

1) for non-prepared conductors

- characteristics according to EN 61984:

16A 500V 6kV 3 (CTE - CTSE)
16A 400/690V 6kV 2 (CTSE)

- UL, CSA, CCC, GOST certified (CTE)

- UL, CSA, CCC, GL, GOST certified (CTSE)

- rated voltage according to UL/CSA: 600V

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

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

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

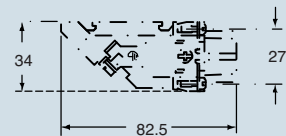
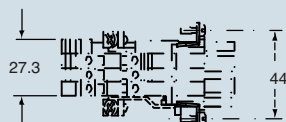
- mechanical life: ≥ 500 cycles

- contact resistance: $\leq 4 \text{ m}\Omega$

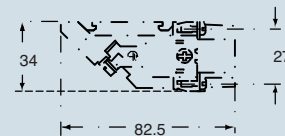
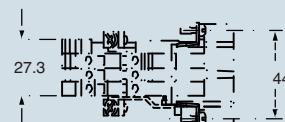
- for maximum current load, see the following load
curves inserts, for more information see page 496

dimensions in mm

female inserts (CTEF and CTSEF)

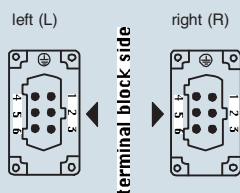


male inserts (CTEM and CTSEM)

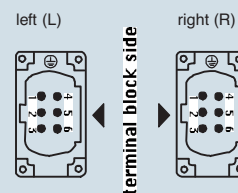


contacts side (front view)

female inserts (CTEF and CTSEF)

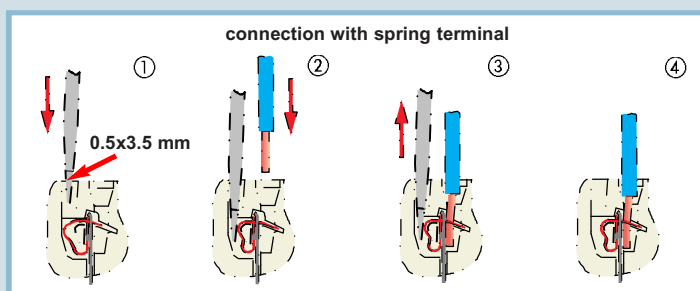
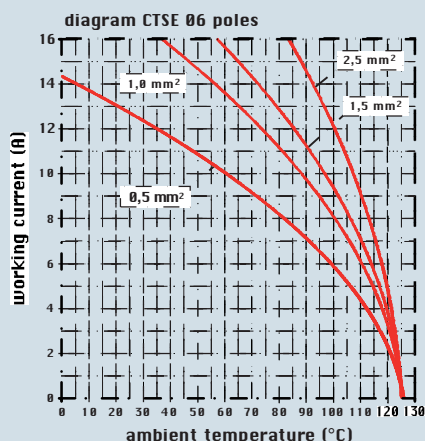


male inserts (CTEM and CTSEM)



- CTE inserts with plate, for section conductors:
0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- torsion couple recommended for conductor fastening
screws see section feature of inserts on page 21 and
22

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



dimensions shown are not binding
and may be changed without notice

enclosures *):
size "57.27"

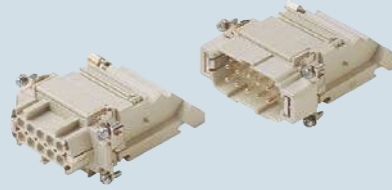
page:

C-TYPE IP65/IP66	222
C7 IP67 stainless steel lever	255
V-TYPE IP65/IP66 stainless steel lever	264
T-TYPE IP65 insulating	283
JEI zinc-plated steel lever	290
BIG hoods	308 - 311
aggressive environments	330
EMC	349

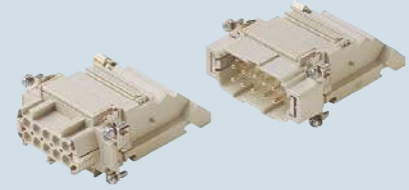
*) only bulkhead mounted housing

- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

terminal block inserts
screw terminal connection



terminal block inserts
spring terminal connection

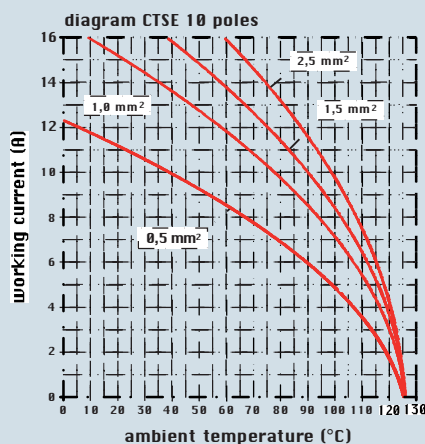


IN PREPARATION

description	part No.	part No.	part No.	part No.
side mounting (see page 125) female inserts with female contacts 1) male inserts with male contacts 1)	left CTEF 10 L CTEM 10 L	right CTEF 10 R CTEM 10 R	left CTSEF 10 L CTSEM 10 L	right CTSEF 10 R CTSEM 10 R
side mounting (see page 125) female inserts with female contacts male inserts with male contacts				

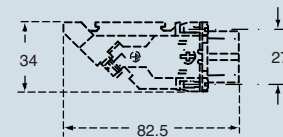
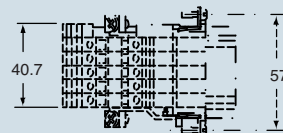
1) for non-prepared conductors

- characteristics according to EN 61984:
16A 500V 6kV 3 (CTE - CTSE)
16A 400/690V 6kV 2 (CTSE)
- UL, CSA, CCC, GOST certified (CTE)
- UL, CSA, CCC, GL, GOST certified (CTSE)
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 4 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 496

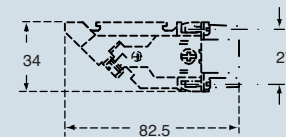
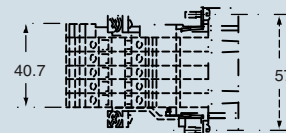


dimensions in mm

female inserts (CTEF and CTSEF)

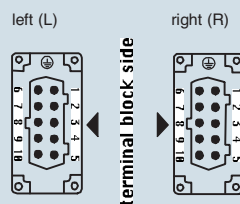


male inserts (CTEM and CTSEM)

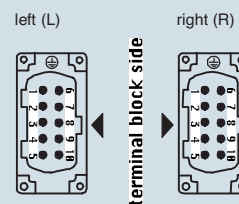


contacts side (front view)

female inserts (CTEF and CTSEF)

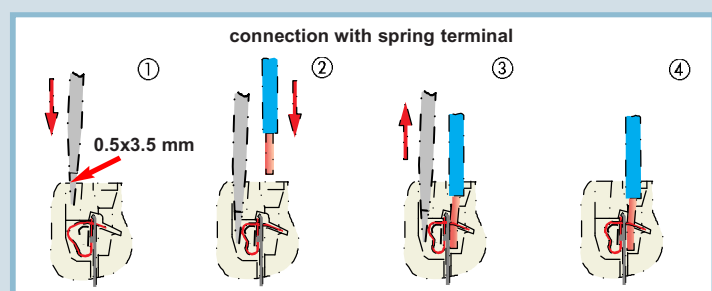


male inserts (CTEM and CTSEM)



- CTE inserts with plate, for section conductors: 0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- torsion couple recommended for conductor fastening screws see section feature of inserts on page 21 and 22

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



dimensions shown are not binding
and may be changed without notice

enclosures *):
size "77.27"

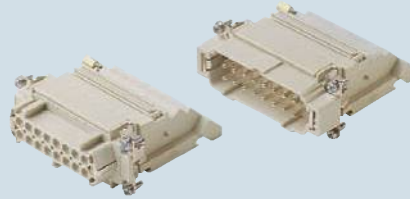
page:

C-TYPE IP65/IP66	228
C7 IP67 stainless steel lever	256
V-TYPE IP65/IP66 stainless steel lever	268
T-TYPE IP65 insulating	284
JEI zinc-plated steel lever	292
BIG hoods	312 - 315
aggressive environments	331
EMC	350

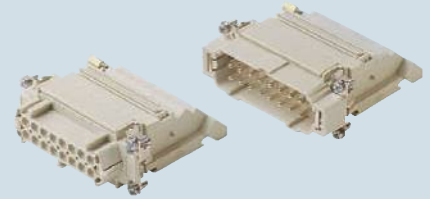
*) only bulkhead mounted housing

- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

terminal block inserts
screw terminal connection



terminal block inserts
spring terminal connection



IN PREPARATION

description	part No.	part No.	part No.	part No.
side mounting (see page 125) female inserts with female contacts 1) male inserts with male contacts 1)	left CTEF 16 L CTEM 16 L	right CTEF 16 R CTEM 16 R	left CTSEF 16 L CTSEM 16 L	right CTSEF 16 R CTSEM 16 R
side mounting (see page 125) female inserts with female contacts male inserts with male contacts				

1) for non-prepared conductors

- characteristics according to EN 61984:

16A 500V 6kV 3 (CTE - CTSE)

16A 400/690V 6kV 2 (CTSE)

- UL, CSA, CCC, GOST certified (CTE)

- UL, CSA, CCC, GL, GOST certified (CTSE)

- rated voltage according to UL/CSA: 600V

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

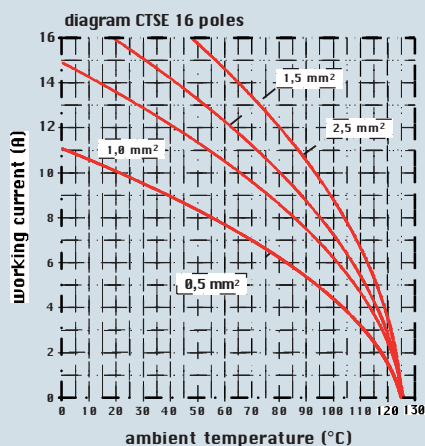
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$

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

- mechanical life: ≥ 500 cycles

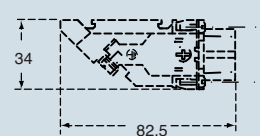
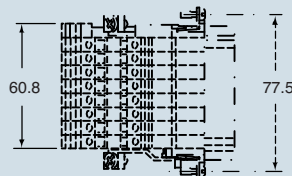
- contact resistance: $\leq 4 \text{ m}\Omega$

- for maximum current load, see the following load
curves inserts, for more information see page 496

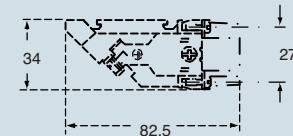
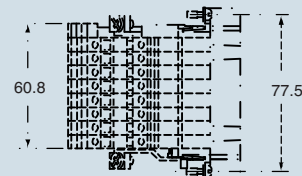


dimensions in mm

female inserts (CTEF and CTSEF)

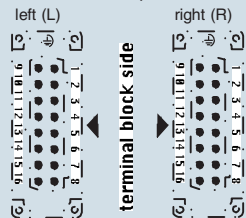


male inserts (CTEM and CTSEM)

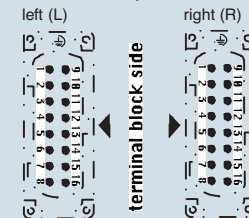


contacts side (front view)

female inserts (CTEF and CTSEF)

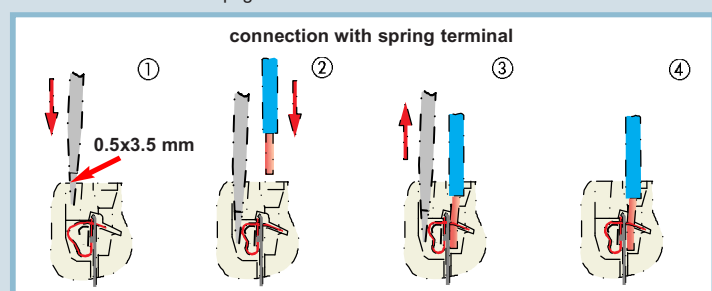


male inserts (CTEM and CTSEM)



- CTE inserts with plate, for section conductors:
0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- torsion couple recommended for conductor fastening
screws see section feature of inserts on page 21 and 22

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



dimensions shown are not binding
and may be changed without notice

CTE - CTSE 24 poles + \oplus 16A - 500V



enclosures *):
size "104.27"

page:

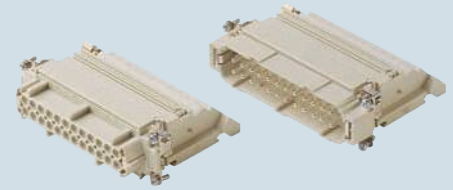
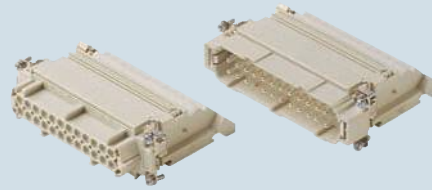
C-TYPE IP65/IP66	236
C7 IP67 stainless steel lever	257
V-TYPE IP65/IP66 stainless steel lever	272
T-TYPE IP65 insulating	285
JEI zinc-plated steel lever	294
BIG hoods	316 - 319
aggressive environments	332
EMC	351

*) only bulkhead mounted housing

- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

terminal block inserts
screw terminal connection

terminal block inserts
spring terminal connection

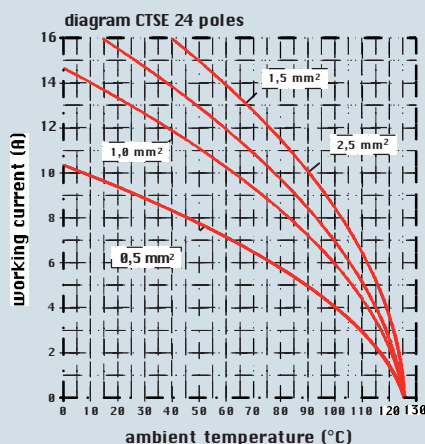


IN PREPARATION

description	part No.	part No.	part No.	part No.
side mounting (see page 125) female inserts with female contacts 1) male inserts with male contacts 1)	left CTEF 24 L CTEM 24 L	right CTEF 24 R CTEM 24 R	left CTSEF 24 L CTSEM 24 L	right CTSEF 24 R CTSEM 24 R
side mounting (see page 125) female inserts with female contacts male inserts with male contacts				

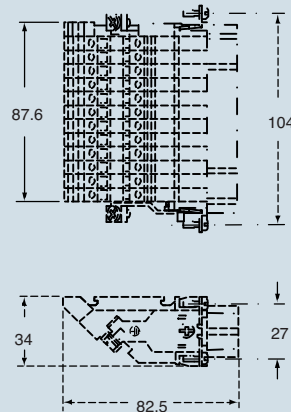
1) for non-prepared conductors

- characteristics according to EN 61984:
16A 500V 6kV 3 (CTE - CTSE)
16A 400/690V 6kV 2 (CTSE)
- UL, CSA, CCC, GOST certified (CTE)
- UL, CSA, CCC, GL, GOST certified (CTSE)
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 4 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 496

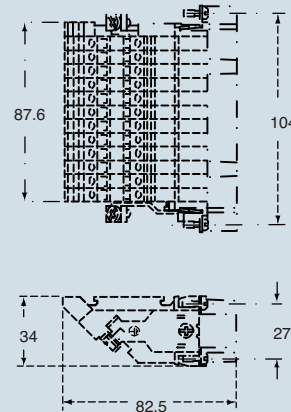


dimensions in mm

female inserts (CTEF and CTSEF)

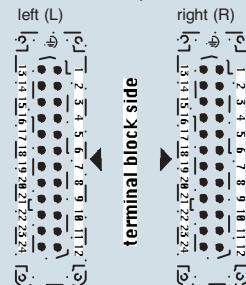


male inserts (CTEM and CTSEM)

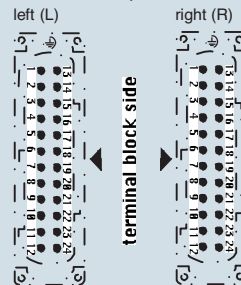


contacts side (front view)

female inserts (CTEF and CTSEF)

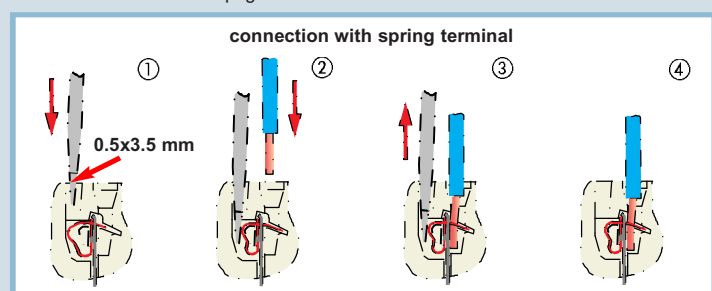


male inserts (CTEM and CTSEM)



- CTE inserts with plate, for section conductors:
0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- torsion couple recommended for conductor fastening screws see section feature of inserts on page 21 and 22

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



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enclosures *):

size "44.27"

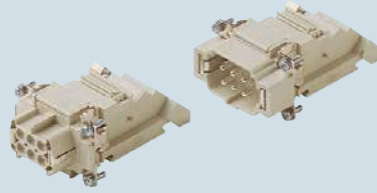
page:

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*) only bulkhead mounted housing

- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

terminal block inserts screw terminal connection



description

part No.

part No.

side mounting (see page 125)
female inserts with female contacts 1)
male inserts with male contacts 1)

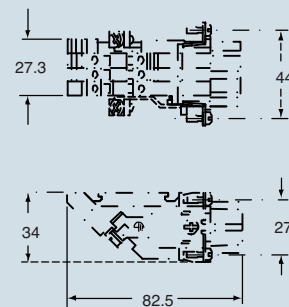
left
CTF 06 L
CTM 06 L

right
CTF 06 R
CTM 06 R

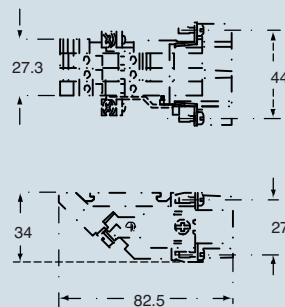
1) for non-prepared conductors

dimensions in mm

female inserts (CTF)



male inserts (CTM)



- characteristics according to EN 61984:

16A 400V 4kV 2

- UL, CSA, CCC, GL certified

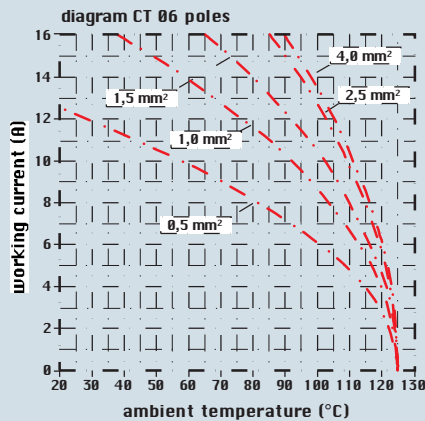
- rated voltage according to UL/CSA: 600V

- insulation resistance: $\geq 10 \text{ G}\Omega$ - ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$

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

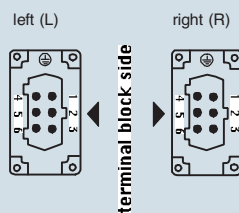
- mechanical life: ≥ 500 cycles- contact resistance: $\leq 4 \text{ m}\Omega$

- for maximum current load, see the following load curves inserts, for more information see page 497

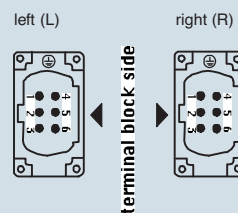


contacts side (front view)

female inserts (CTF)



male inserts (CTM)



- CT inserts with plate, for section conductors:
0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- terminal screw torque: 0.4 Nm (3.54 lb.in), for more information see page 21 and 22

dimensions shown are not binding
and may be changed without notice

enclosures *):
size "57.27"

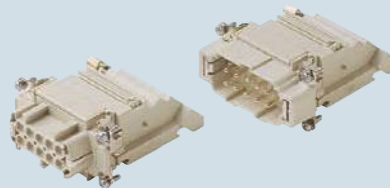
page:

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aggressive environments	330
EMC	349

*) only bulkhead mounted housing

- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

terminal block inserts screw terminal connection

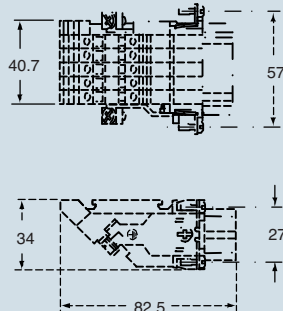


description	part No.	part No.
side mounting (see page 125)	left	right
female inserts with female contacts 1)	CTF 10 L	CTF 10 R
male inserts with male contacts 1)	CTM 10 L	CTM 10 R

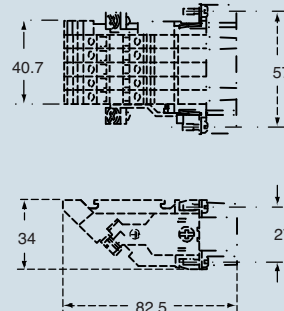
1) for non-prepared conductors

dimensions in mm

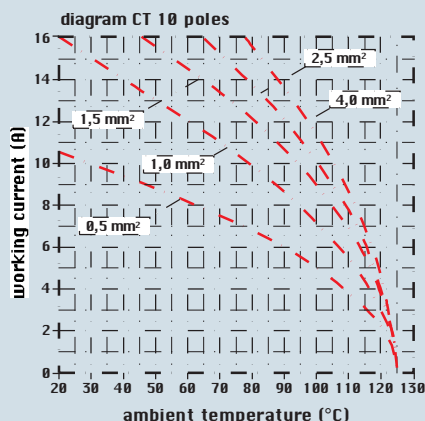
female inserts (CTF)



male inserts (CTM)

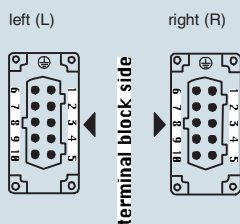


- characteristics according to EN 61984:
16A 400V 4kV 2
- UL, CSA, CCC, GL certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 4 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 497

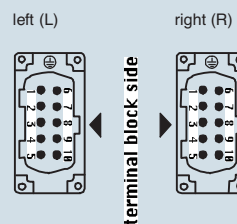


contacts side (front view)

female inserts (CTF)



male inserts (CTM)



- CT inserts with plate, for section conductors:
0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- terminal screw torque: 0.4 Nm (3.54 lb.in), for more information see page 21 and 22

dimensions shown are not binding
and may be changed without notice

enclosures *):
size "77.27"

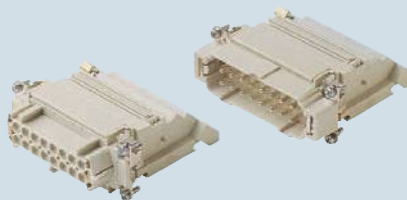
page:

C-TYPE IP65/IP66	228
C7 IP67 stainless steel lever	256
V-TYPE IP65/IP66 stainless steel lever	268
T-TYPE IP65 insulating	284
JEI zinc-plated steel lever	292
BIG hoods	312 - 315
aggressive environments	331
EMC	350

*) only bulkhead mounted housing

- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

terminal block inserts screw terminal connection



description

part No.

part No.

side mounting (see page 125)
female inserts with female contacts 1)
male inserts with male contacts 1)

left
CTF 16 L
CTM 16 L

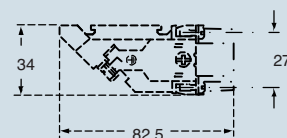
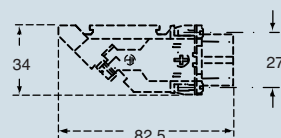
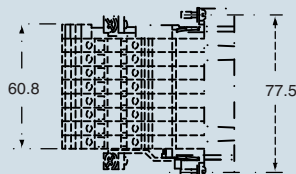
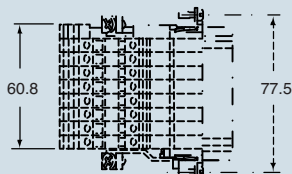
right
CTF 16 R
CTM 16 R

1) for non-prepared conductors

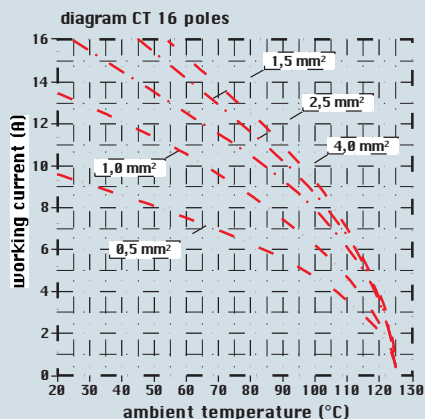
dimensions in mm

female inserts (CTF)

male inserts (CTM)



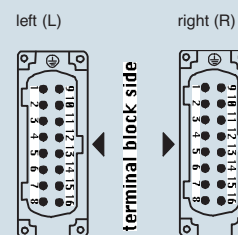
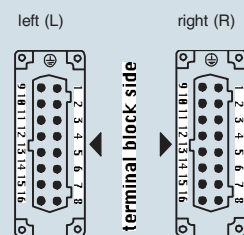
- characteristics according to EN 61984:
16A 400V 4kV 2
- UL, CSA, CCC, GL certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 4 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 497



contacts side (front view)

female inserts (CTF)

male inserts (CTM)



- CT inserts with plate, for section conductors:
0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- terminal screw torque: 0.4 Nm (3.54 lb.in), for more information see page 21 and 22

dimensions shown are not binding
and may be changed without notice

CT 24 poles + ⊕ 16A - 400V



enclosures *):
size "104.27"

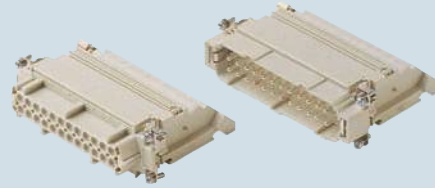
page:

terminal block inserts
screw terminal connection

C-TYPE IP65/IP66	236
C7 IP67 stainless steel lever	257
V-TYPE IP65/IP66 stainless steel lever	272
T-TYPE IP65 insulating	285
JEI zinc-plated steel lever	294
BIG hoods	316 - 319
aggressive environments	332
EMC	351

*) only bulkhead mounted housing

- can be mated with CNE, CCE, CCS, CSE, CSH inserts
- inserts may be fitted from front of enclosure

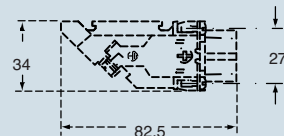
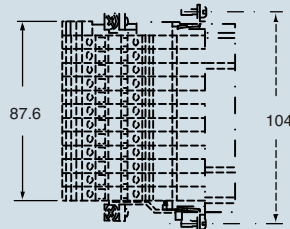


description	part No.	part No.
side mounting (see page 125)	left	right
female inserts with female contacts 1)	CTF 24 L	CTF 24 R
male inserts with male contacts 1)	CTM 24 L	CTM 24 R

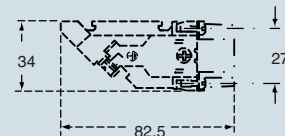
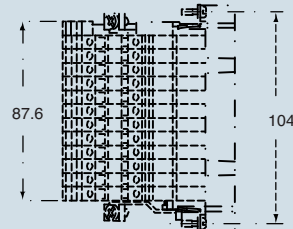
1) for non-prepared conductors

dimensions in mm

female inserts (CTF)



male inserts (CTM)



- characteristics according to EN 61984:

16A 400V 4kV 2

- UL, CSA, CCC, GL certified

- rated voltage according to UL/CSA: 600V

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

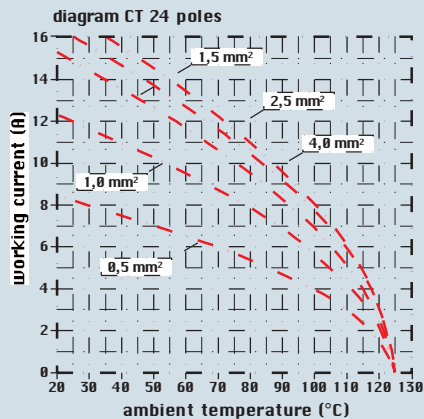
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$

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

- mechanical life: ≥ 500 cycles

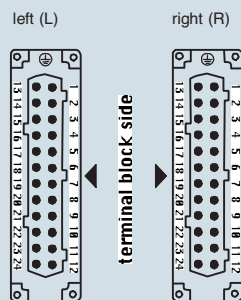
- contact resistance: $\leq 4 \text{ m}\Omega$

- for maximum current load, see the following load
curves inserts, for more information see page 497

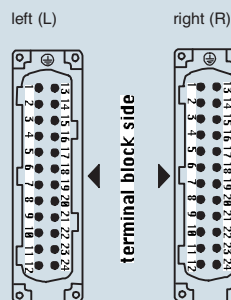


contacts side (front view)

female inserts (CTF)



male inserts (CTM)



- CT inserts with plate, for section conductors:
0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- terminal screw torque: 0.4 Nm (3.54 lb.in), for more
information see page 21 and 22

dimensions shown are not binding
and may be changed without notice

Use

The CT-series multipole connectors (with incorporated terminal block) are recommended for greater cost-saving and safety for use on machines and command and control panels.

For control panel mounting, bulkhead housings must be used.

The CT series inserts (10A max versions) are supplied in the plug or socket versions and must be mounted with insertion from the rear of the enclosure (Figures 1 and 2). The space occupied by the terminal block does not allow for the passage of the insert and insertion from the front of the enclosure.

As an alternative to the traditional terminal blocks, the inserts can be mounted inside the control panels on DIN EN rails (Figure 5) using suitable accessories providing the added advantage of easy sectioning.

The special structure of the CT inserts has all the conductor connections on the same side providing for easier wiring and a complete view of the work area.

The terminal block also has slots for housing the identification wire markers of each contact. Wire markers of different manufacturers may be used such as: Cabur, Grafoplast, Modernotecnica, Phoenix, Siemens, Wago, Weidmüller.

The CT series is available in the versions "left" and "right" for mounting on the left (Figure 3) or on the right (Figure 4) of the control panel walls.

This characteristic is determined by the position of contact "1" and the ground terminal in the upper part of the insert terminal block for both left and right mounting.

The installation of inserts on DIN rails (Figure 5) inside the control panels is usually made to facilitate the wiring in sectionable parts.

In this case the degree of protection for coupled connectors is IP20 (in accordance with EN 60529).

This type of mounting requires supports (CT APE) to be provided to the inserts suitable for mounting on DIN EN 60715 rail.

In addition, CRBF (female) and CRBM (male) coupling screws instead of normal screws are recommended for fixing the inserts to the enclosures (Figure 5) in order to guarantee a stable and safe coupling between the CT and CTS inserts installed on the DIN rails and corresponding CD inserts.

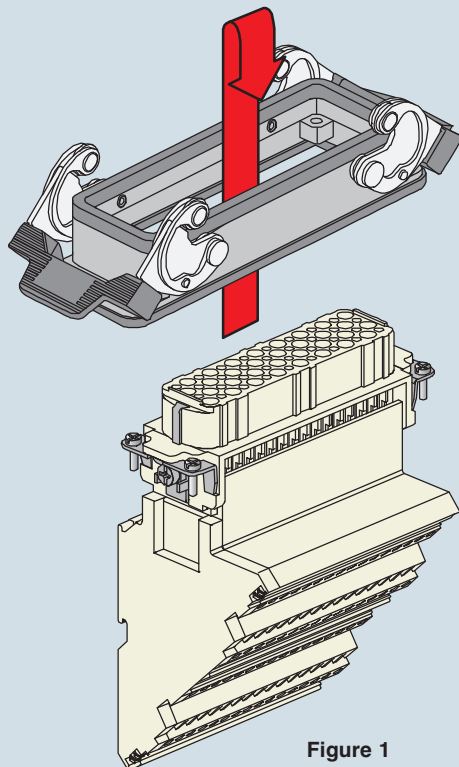


Figure 1

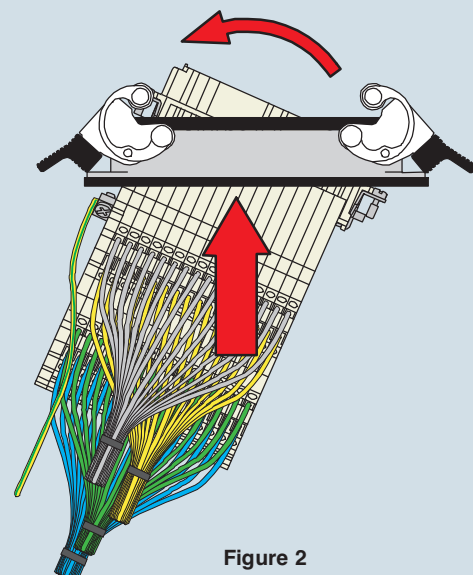


Figure 2

Figures 1 and 2 (rear mounting)

The insert is inserted into the bulkhead housing with pre-wired conductors connected at the opposite end.

Figure 3 (left mounting)

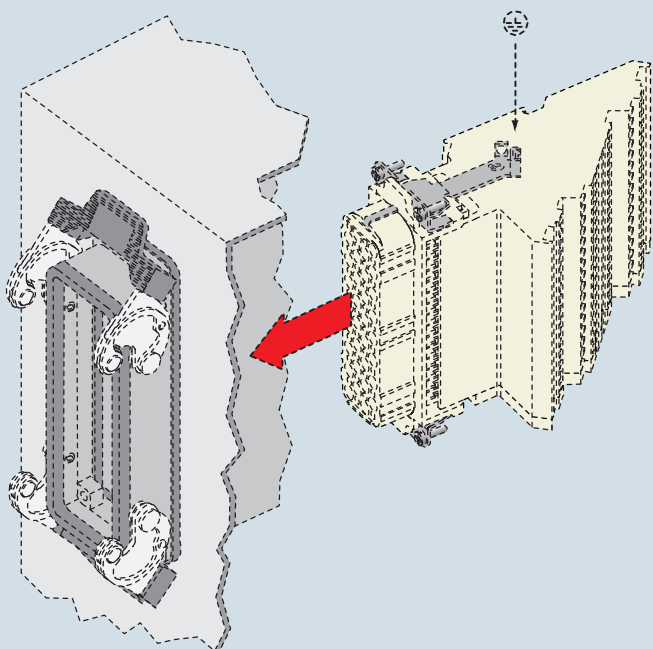


Figure 4 (right mounting)

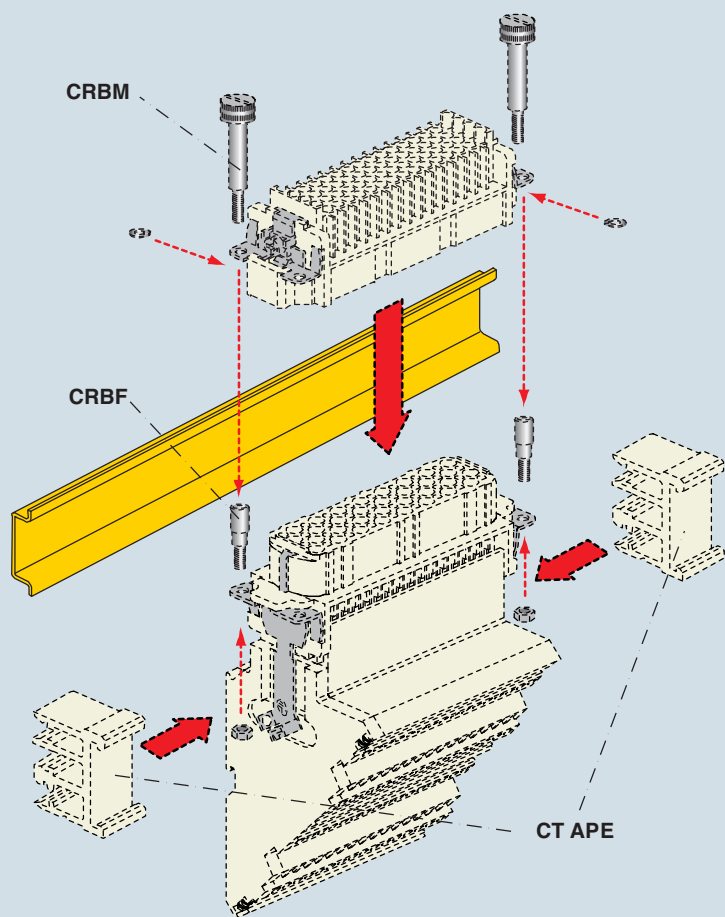
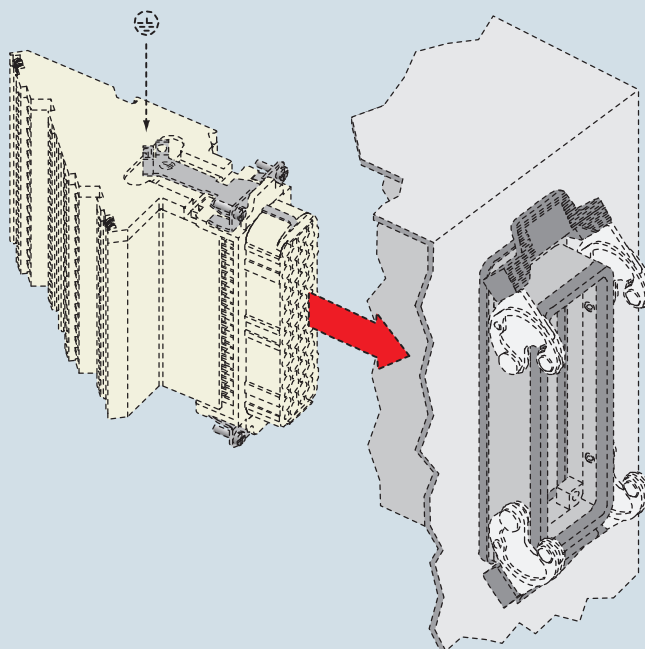
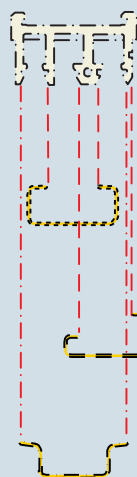


Figure 5 (mounting on DIN rail)



CT APE

possibility of coupling to DIN EN 60715 rail (for a greater stability of the CT inserts of 40 and 64 poles we recommend using the two CT APE supports)

EN 60715
C 30

EN 60715
G 32

EN 60715
TH 35-7.5 and TH 35-15

accessories for CT inserts

- support for mounting on DIN rail (**CT APE** page 422)
- inserts coupling screws (**CRBM** and **CRBF** page 422)
- cable-clamping plates (**CRAD** and **CRAS** page 422)

enclosures ¹⁾:
size "77.27"

page:

C-TYPE IP65/IP66	228
C7 IP67 stainless steel lever	256
V-TYPE IP65/IP66 stainless steel lever	268
JEI zinc-plated steel lever	292
aggressive environments	331
EMC	350

¹⁾ only bulkhead mounted housings

- can be mated with CD inserts
- rear-mounted inserts

1) for non-prepared conductors

description

side-mounting (see page 55)
female inserts with female contacts 1)
male inserts with male contacts 1)

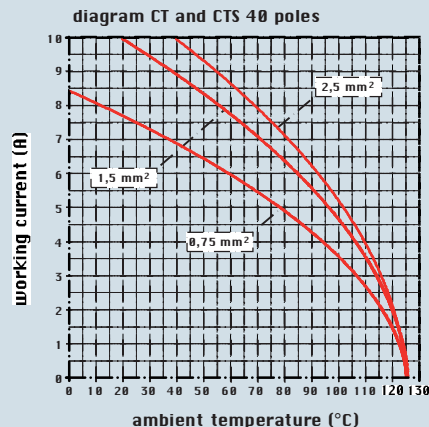
side-mounting (see page 55)
female inserts with female contacts
male inserts with male contacts

- characteristics according to EN 61984:

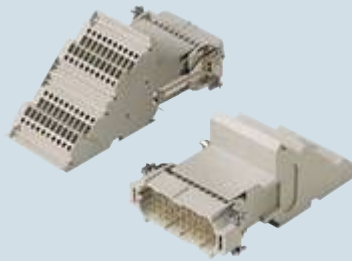
10A 250V 4kV 3

10A 230/400V 4kV 2

- UL, CSA, CCC, GL, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 4 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 493



terminal block inserts
screw terminal connection



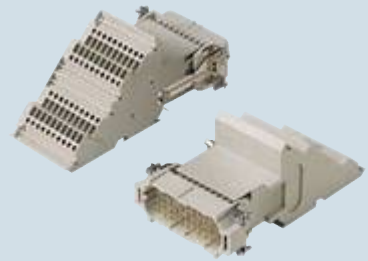
part No.

left
CTF 40 L
CTM 40 L

part No.

right
CTF 40 R
CTM 40 R

terminal block inserts
spring terminal connection



part No.

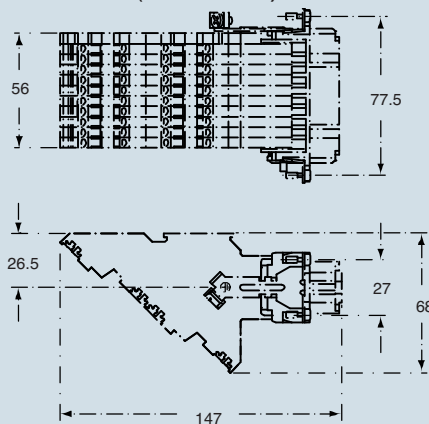
left
CTSF 40 L
CTSM 40 L

part No.

right
CTSF 40 R
CTSM 40 R

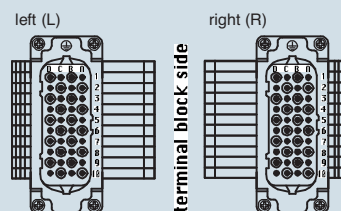
dimensions in mm

female inserts (CTF and CTSF)



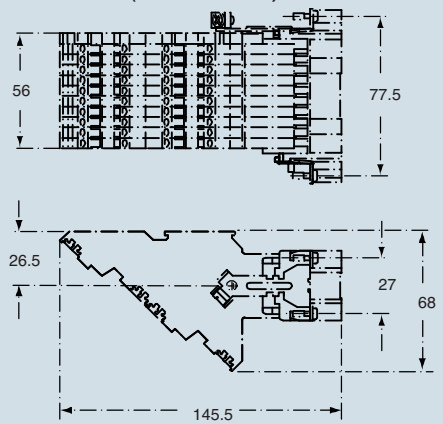
contacts side (front view)

female inserts (CTF and CTSF)

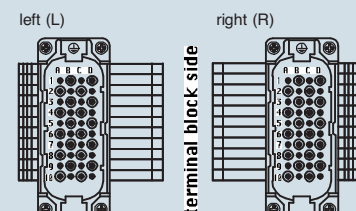


- CT inserts with plate, for section conductors: 0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 12 mm
- terminal screw torque: 0.4 Nm (3.54 lb.in), for more information see page 21 and 22

male inserts (CTM and CTSM)

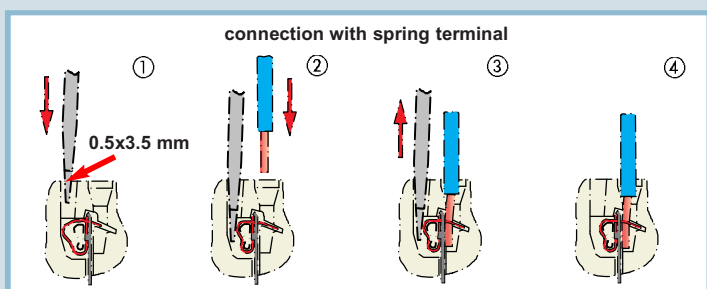


male inserts (CTM and CTSM)



- CTS spring inserts for section conductors: effective sections for non-prepared conductors 0.14 - 2.5 mm² - AWG 26 - 14
- effective sections for prepared conductors 0.14 - 1 mm² - AWG 26 - 18
- conductors stripping length: 9...11 mm

connection with spring terminal



dimensions shown are not binding
and may be changed without notice

enclosures ¹⁾:
size "104.27"

page:

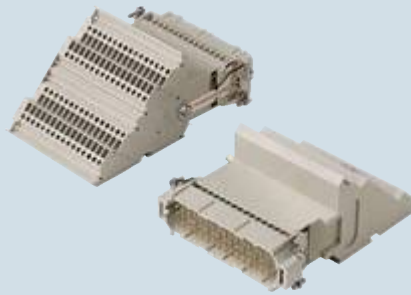
C-TYPE IP65/IP66	236
C7 IP67 stainless steel lever	257
V-TYPE IP65/IP66 stainless steel lever	272
JEI zinc-plated steel lever	294
aggressive environments	332
EMC	351

¹⁾ only bulkhead mounted housings

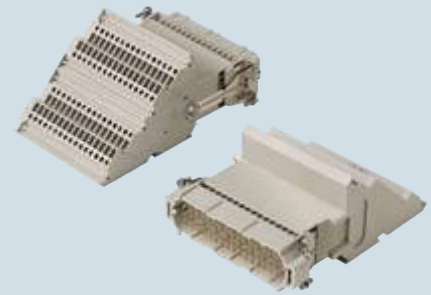
- can be mated with CD inserts
- rear-mounted inserts

1) for non-prepared conductors

terminal block inserts screw terminal connection



terminal block inserts spring terminal connection



description

part No.

part No.

part No.

part No.

side-mounting (see page 55)
female inserts with female contacts 1)
male inserts with male contacts 1)

left
CTF 64 L
CTM 64 L

right
CTF 64 R
CTM 64 R

left
CTSF 64 L
CTSM 64 L

right
CTSF 64 R
CTSM 64 R

side-mounting (see page 55)
female inserts with female contacts
male inserts with male contacts

- characteristics according to EN 61984:

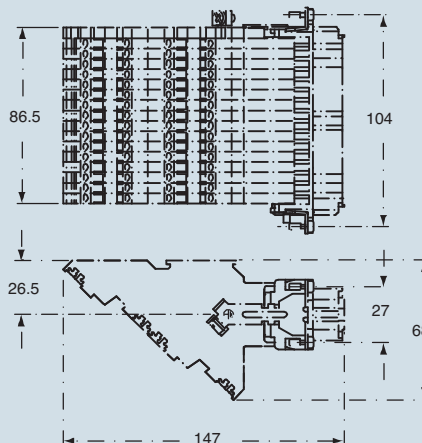
10A 250V 4kV 3

10A 230/400V 4kV 2

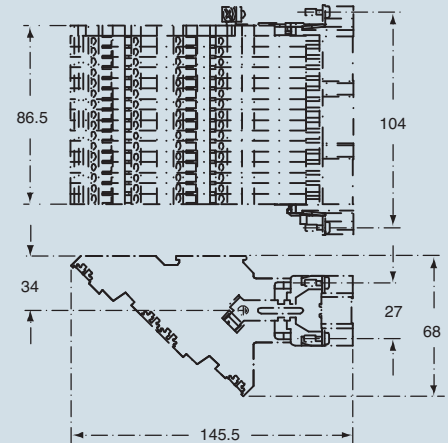
- UL, CSA, CCC, GL, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: $-40^\circ\text{C} \dots +125^\circ\text{C}$
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 4 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 493

dimensions in mm

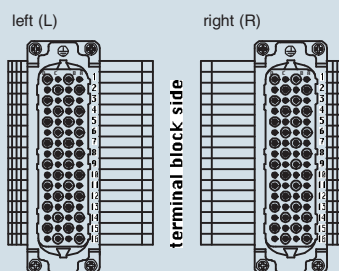
female inserts (CTF and CTSF)



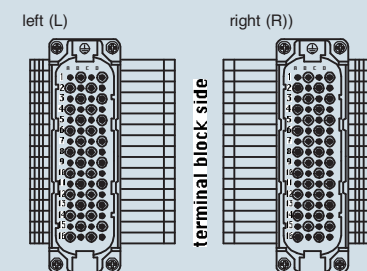
male inserts (CTM and CTSM)



contacts side (front view) female inserts (CTF and CTSF)



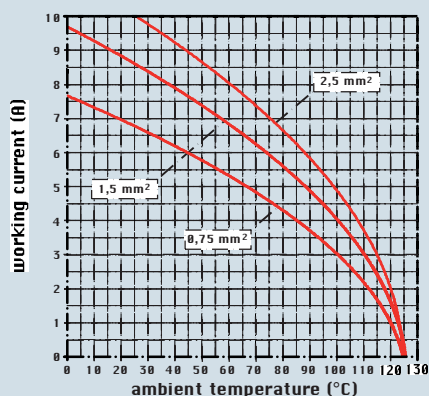
contacts side (front view) male inserts (CTM and CTSM)



- CT inserts with plate, for section conductors: 0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping length: 9...11 mm
- terminal screw torque: 0.4 Nm (3.54 lb.in), for more information see page 21 and 22

- CTS spring inserts for section conductors: effective sections for non-prepared conductors 0.14 - 2.5 mm² - AWG 26 - 14
- effective sections for prepared conductors 0.14 - 1 mm² - AWG 26 - 18
- conductors stripping length: 9...11 mm

diagram CT and CTS 64 poles



dimensions shown are not binding
and may be changed without notice

connection with spring terminal

