CMCE 3 + 2 (aux) poles + ⏚ 16A - 830V

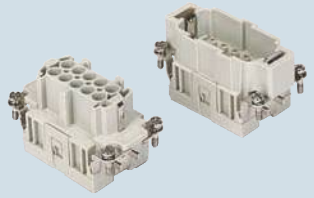
enclosures:
size "57.27" page:

C-TYPE IP65/IP66 ..... 222 - 227
C7 IP67 stainless steel lever 255
V-TYPE IP65/IP66 stainless steel lever ..... 264 - 267
T-TYPE IP65 insulating 283
JEI zinc-plated steel lever ..... 290 - 291
BIG hoods ..... 308 - 311
aggressive environments 330
EMC 349
central lever ..... 362 - 363
IP68 ..... 378 - 381

panel supports: page:

COB ..... 410 - 411

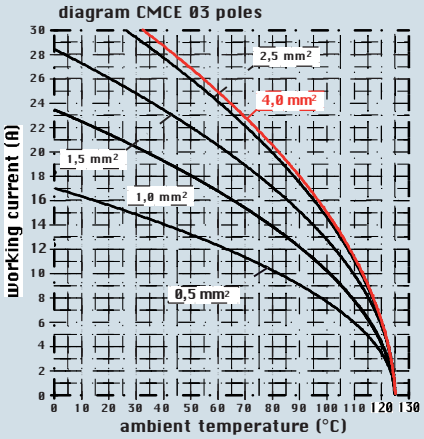
inserts, crimp connections



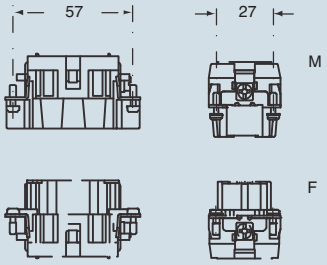
16A crimp contacts normal and for advanced opening silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts for female contacts male inserts for male contacts	**CMCEF 03** **CMCEM 03**		
16A female contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves		**CCFA 0.3** **CCFA 0.5** **CCFA 0.7** **CCFA 1.0** **CCFA 1.5** **CCFA 2.5** **CCFA 3.0** **CCFA 4.0** **silver plated**	**CCFD 0.3** **CCFD 0.5** **CCFD 0.7** **CCFD 1.0** **CCFD 1.5** **CCFD 2.5** **CCFD 3.0** **CCFD 4.0** **gold plated**
16A male contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves		**CCMA 0.3** **CCMA 0.5** **CCMA 0.7** **CCMA 1.0** **CCMA 1.5** **CCMA 2.5** **CCMA 3.0** **CCMA 4.0**	**CCMD 0.3** **CCMD 0.5** **CCMD 0.7** **CCMD 1.0** **CCMD 1.5** **CCMD 2.5** **CCMD 3.0** **CCMD 4.0**
16A male crimp contacts for advanced opening 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves		**CC 0.5 AN** **CC 0.7 AN** **CC 1.0 AN** **CC 1.5 AN** **CC 2.5 AN**	

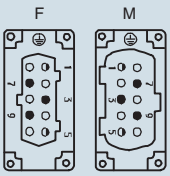
- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for maximum current load, see the following load curves inserts, for more information see page 497



dimensions in mm



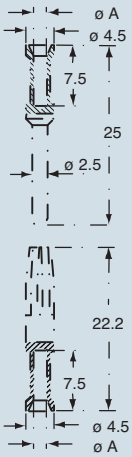
contacts side (front view)



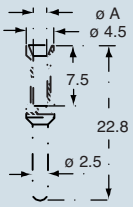
◑ the auxiliary contacts are in the forward position upon opening

dimensions in mm

CCF and CCM



CC...AN



CCF, CCM and CC..AN contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length (mm)
0.14-0.37	0.9	7.5
0.5	1.1	7.5
0.75	1.3	7.5
1.0	1.45	7.5
1.5	1.8	7.5
2.5	2.2	7.5
3	2.55	7.5
4	2.85	7.5

- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF, CCM and CC...AN series) on pages 466, 470, 480, 482, 484, 486

dimensions shown are not binding and may be changed without notice

CME - CMSE 3 + 2 (aux) poles + ⏚ 16A - 830V

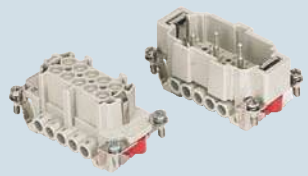
enclosures:
size "57.27" page :

C-TYPE IP65/IP66 * ..... 222 - 227
C7 IP67 stainless steel lever * 255
V-TYPE IP65/IP66 stainless steel lever * ..... 264 - 267
T-TYPE IP65 insulating 283
JEI zinc-plated steel lever * ..... 290 - 291
BIG hoods * ..... 308 - 311
aggressive environments 330
EMC * 349
central lever * ..... 362 - 363
IP68 ..... 378 - 381
insulated 830V ..... 391 - 395

panel supports: page:
COB ..... 410 - 411

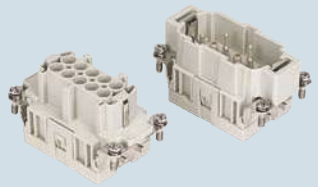
* cannot be used with CME series

inserts, screw terminal connection



silver plated contacts

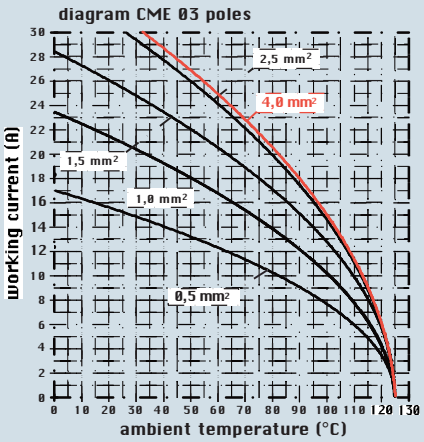
inserts, spring terminal connection

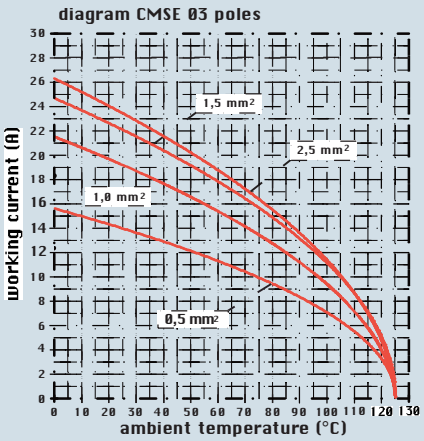


silver plated contacts

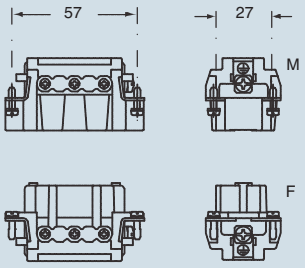
description	part No.	part No.
indirect, with plate 1) female inserts with female contacts male inserts with male contacts	**CMEF 03 T** **CMEM 03 T**	
direct, without plate 2) female inserts with female contacts male inserts with male contacts	**CMEF 03 TX** **CMEM 03 TX**	
female inserts with female contacts male inserts with male contacts		**CMSEF 03** **CMSEM 03**

- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ (CME) - ≤ 3 mΩ (CMSE)
- for maximum current load, see the following load curves inserts, for more information see page 497

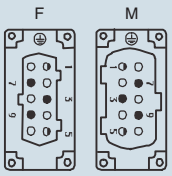




dimensions in mm



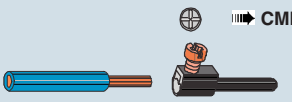
contacts side (front view)



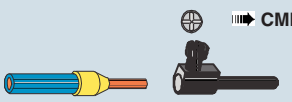
◑ the auxiliary contacts are in the forward position upon opening

- 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 lenght: 7 mm
- terminal screw torque: 0.5 Nm (4.4 lb.in), for more information see page 21 and 22

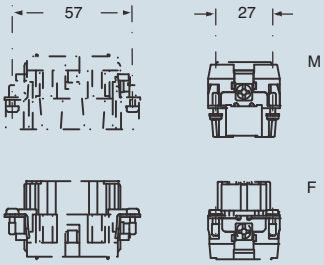
1) for non-prepared conductors



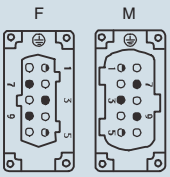
2) for bush terminal conductors



dimensions in mm



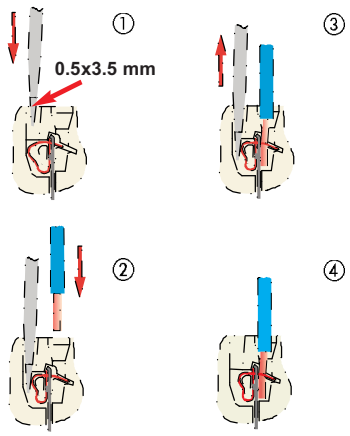
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

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

connection with spring terminal



dimensions shown are not binding and may be changed without notice

CMCE 6 + 2 (aux) poles + ⏚ 16A - 830V

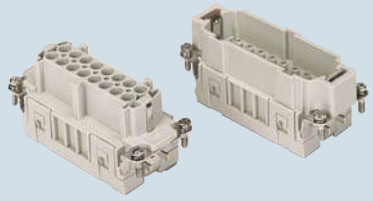
enclosures:
size "77.27" page:

C-TYPE IP65/IP66 ..... 228 - 234
C7 IP67 stainless steel lever 256
V-TYPE IP65/IP66 stainless steel lever ..... 268 - 271
T-TYPE IP65 insulating 284
JEI zinc-plated steel lever ..... 292 - 293
BIG hoods ..... 312 - 315
aggressive environments 331
EMC 350
central lever ..... 364 - 365
IP68 ..... 382 - 385

panel supports: page:

COB ..... 410 - 411

inserts, crimp connections

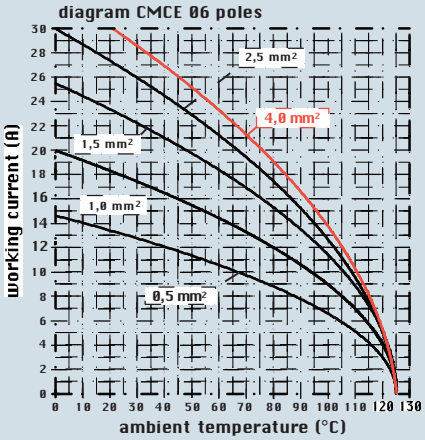


16A crimp contacts normal and for advanced opening silver and gold plated

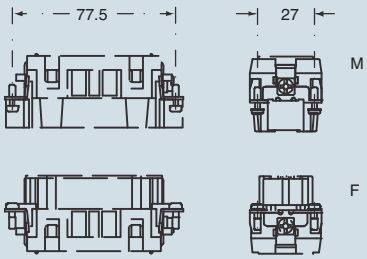
description	part No.	part No.	part No.
female inserts with female contacts female inserts for female contacts male inserts for male contacts	**CMCEF 06** **CMCEM 06**		
16A female contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves		**CCFA 0.3** **CCFA 0.5** **CCFA 0.7** **CCFA 1.0** **CCFA 1.5** **CCFA 2.5** **CCFA 3.0** **CCFA 4.0**	**CCFD 0.3** **CCFD 0.5** **CCFD 0.7** **CCFD 1.0** **CCFD 1.5** **CCFD 2.5** **CCFD 3.0** **CCFD 4.0**
16A male contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves		**CCMA 0.3** **CCMA 0.5** **CCMA 0.7** **CCMA 1.0** **CCMA 1.5** **CCMA 2.5** **CCMA 3.0** **CCMA 4.0**	**CCMD 0.3** **CCMD 0.5** **CCMD 0.7** **CCMD 1.0** **CCMD 1.5** **CCMD 2.5** **CCMD 3.0** **CCMD 4.0**
16A male crimp contacts for advanced opening 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves		**CC 0.5 AN** **CC 0.7 AN** **CC 1.0 AN** **CC 1.5 AN** **CC 2.5 AN**	

silver plated

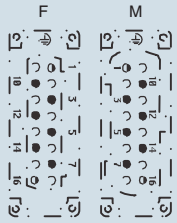
- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for maximum current load, see the following load curves inserts, for more information see page 497



dimensions in mm



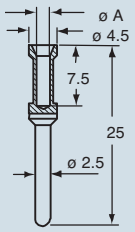
contacts side (front view)



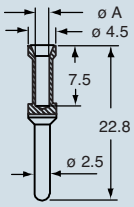
◑ the auxiliary contacts are in the forward position upon opening

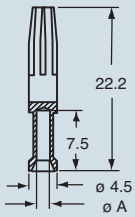
dimensions in mm

CCF and CCM



CC...AN





CCF, CCM and CC..AN contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length (mm)
0.14-0.37	0.9	7.5
0.5	1.1	7.5
0.75	1.3	7.5
1.0	1.45	7.5
1.5	1.8	7.5
2.5	2.2	7.5
3	2.55	7.5
4	2.85	7.5

- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF, CCM and CC...AN series) on pages 466, 470, 480, 482, 484, 486

dimensions shown are not binding and may be changed without notice

CME - CMSE 6 + 2 (aux) poles + ⏚ 16A - 830V

enclosures:
size "77.27" page:

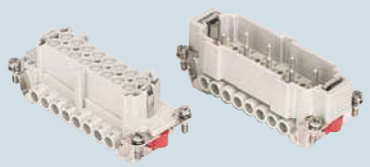
C-TYPE IP65/IP66 * ..... 228 - 234
C7 IP67 stainless steel lever * 256
V-TYPE IP65/IP66 stainless steel lever * ..... 268 - 271
T-TYPE IP65 insulating 284
JEI zinc-plated steel lever * ..... 292 - 293
BIG hoods * ..... 312 - 315
aggressive environments 331
EMC * 350
central lever * ..... 364 - 385
IP68 ..... 382 - 385
insulated 830V ..... 397 - 401

panel supports: page:

COB ..... 410 - 411

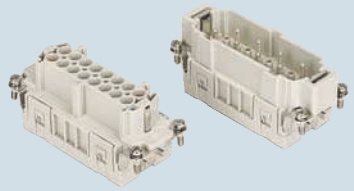
* cannot be used with CME series

inserts, screw terminal connection



silver plated contacts

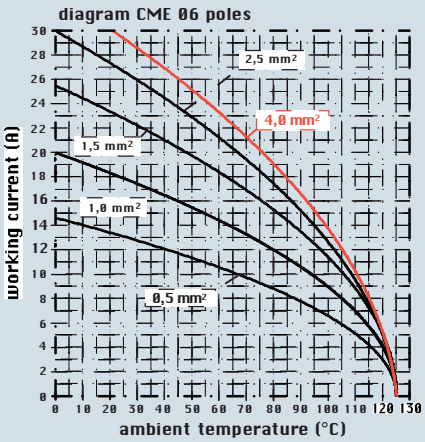
inserts, spring terminal connection

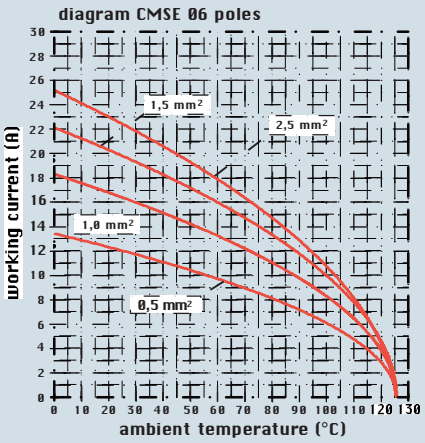


silver plated contacts

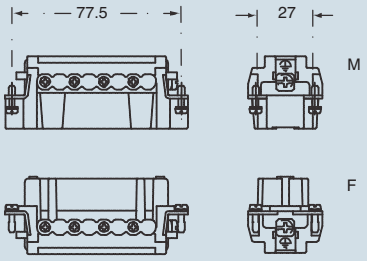
description	part No.	part No.
indirect, with plate 1) female inserts with female contacts male inserts with male contacts	**CMEF 06 T** **CMEM 06 T**	
direct, without plate 2) female inserts with female contacts male inserts with male contacts	**CMEF 06 TX** **CMEM 06 TX**	
female inserts with female contacts male inserts with male contacts		**CMSEF 06** **CMSEM 06**

- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ (CME) - ≤ 3 mΩ (CMSE)
- for maximum current load, see the following load curves inserts, for more information see page 497

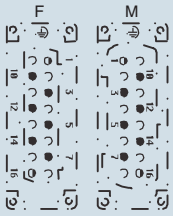




dimensions in mm



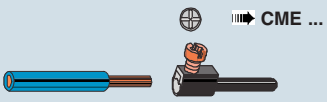
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

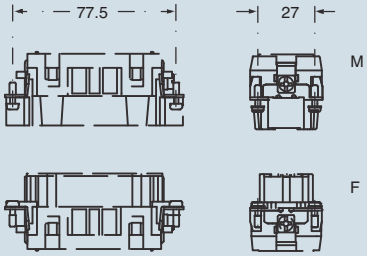
- inserts with plate, for section conductors: 0.5 - 4 mm² - AWG 20 - 12
- inserts without plate, for section conductors: 0.25 - 2.5 mm² - AWG 24 - 14
- conductors stripping lenght: 7 mm
- terminal screw torque: 0.5 Nm (4.4 lb.in), for more information see page 21 and 22

1) for non-prepared conductors

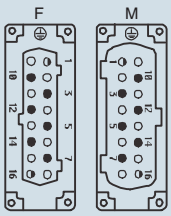


2) for bush terminal conductors

dimensions in mm



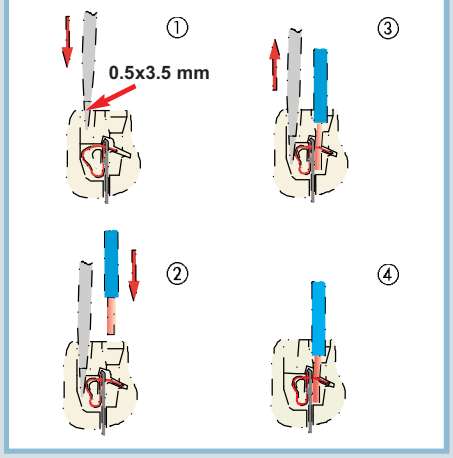
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

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

connection with spring terminal



dimensions shown are not binding and may be changed without notice

CMCE 10 + 2 (aux) poles + ⏚ 16A - 830V

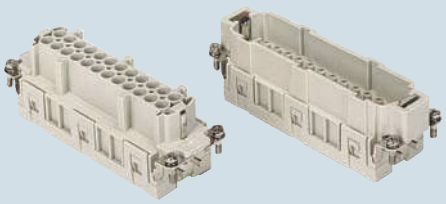
enclosures:
size "104.27" page:

C-TYPE IP65/IP66 ..... 236 - 243
C7 IP67 stainless steel lever 257
V-TYPE IP65/IP66 stainless steel lever ..... 272 - 275
T-TYPE IP65 insulating 285
JEI zinc-plated steel lever ..... 294 - 295
BIG hoods ..... 316 - 319
aggressive environments 332
EMC 351
central lever ..... 366 - 368
IP68 ..... 386 - 389

panel supports: page:

COB ..... 410 - 411

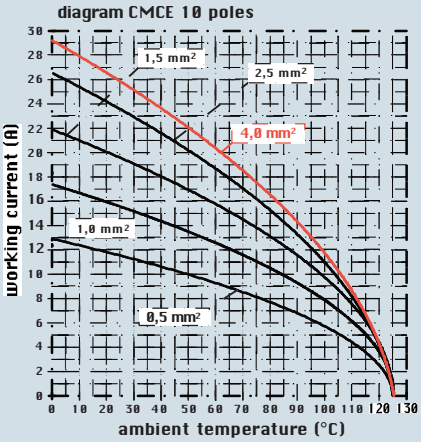
inserts, crimp connections



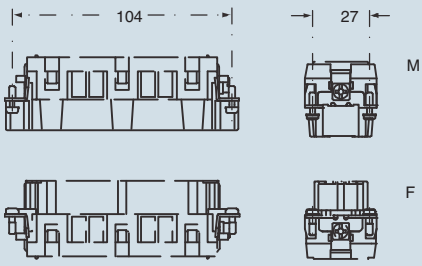
16A crimp contacts normal and for advanced opening silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts for female contacts male inserts for male contacts	**CMCEF 10** **CMCEM 10**		
16A female contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves		**CCFA 0.3** **CCFA 0.5** **CCFA 0.7** **CCFA 1.0** **CCFA 1.5** **CCFA 2.5** **CCFA 3.0** **CCFA 4.0** **silver plated**	**CCFD 0.3** **CCFD 0.5** **CCFD 0.7** **CCFD 1.0** **CCFD 1.5** **CCFD 2.5** **CCFD 3.0** **CCFD 4.0** **gold plated**
16A male contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves		**CCMA 0.3** **CCMA 0.5** **CCMA 0.7** **CCMA 1.0** **CCMA 1.5** **CCMA 2.5** **CCMA 3.0** **CCMA 4.0**	**CCMD 0.3** **CCMD 0.5** **CCMD 0.7** **CCMD 1.0** **CCMD 1.5** **CCMD 2.5** **CCMD 3.0** **CCMD 4.0**
16A male crimp contacts for advanced opening 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves		**CC 0.5 AN** **CC 0.7 AN** **CC 1.0 AN** **CC 1.5 AN** **CC 2.5 AN**	

- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for maximum current load, see the following load curves inserts, for more information see page 497



dimensions in mm

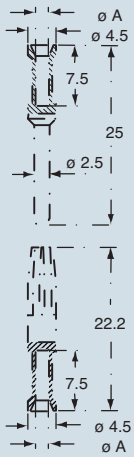


contacts side (front view)

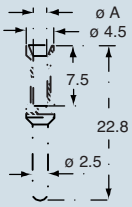
◑ the auxiliary contacts are in the forward position upon opening

dimensions in mm

CCF and CCM



CC...AN



CCF, CCM and CC..AN contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length (mm)
0.14-0.37	0.9	7.5
0.5	1.1	7.5
0.75	1.3	7.5
1.0	1.45	7.5
1.5	1.8	7.5
2.5	2.2	7.5
3	2.55	7.5
4	2.85	7.5

- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF, CCM and CC...AN series) on pages 466, 470, 480, 482, 484, 486

dimensions shown are not binding and may be changed without notice

CME - CMSE 10 + 2 (aux) poles + ⏚ 16A - 830V

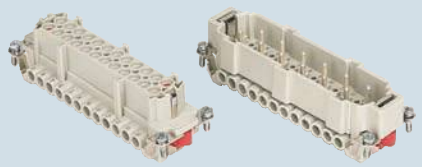
enclosures:
size "104.27" page :

C-TYPE IP65/IP66 * ..... 236 - 243
C7 IP67 stainless steel lever * 257
V-TYPE IP65/IP66 stainless steel lever * ..... 272 - 275
T-TYPE IP65 insulating 285
JEI zinc-plated steel lever * ..... 294 - 295
BIG hoods * ..... 316 - 319
aggressive environments 332
EMC * 351
central lever * ..... 366 - 368
IP68 ..... 386 - 389
insulated 830V ..... 403 - 407

panel supports: page:
COB ..... 410 - 411

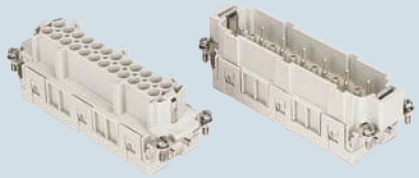
* cannot be used with CME series

inserts, screw terminal connection



silver plated contacts

inserts, spring terminal connection



silver plated contacts

description	part No.	part No.
indirect, with plate 1) female inserts with female contacts male inserts with male contacts	**CMEF 10 T** **CMEM 10 T**	
direct, without plate 2) female inserts with female contacts male inserts with male contacts	**CMEF 10 TX** **CMEM 10 TX**	
female inserts with female contacts male inserts with male contacts		**CMSEF 10** **CMSEM 10**

- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ (CME) - ≤ 3 mΩ (CMSE)
- for maximum current load, see the following load curves inserts, for more information see page 497

diagram CME 10 poles

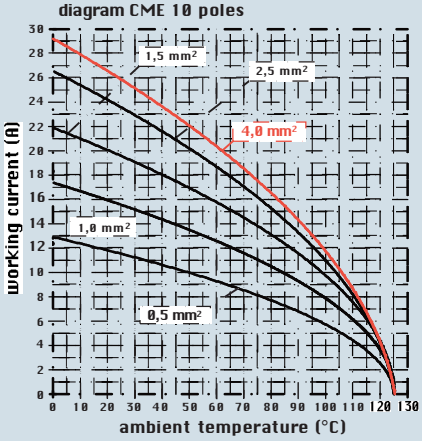
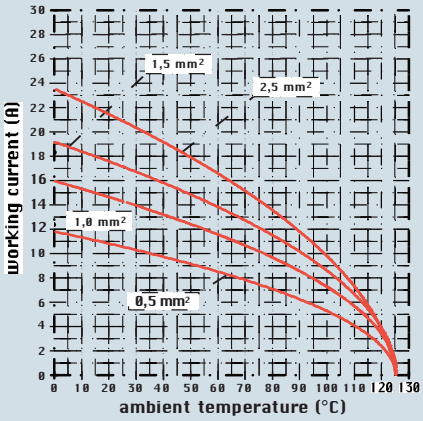
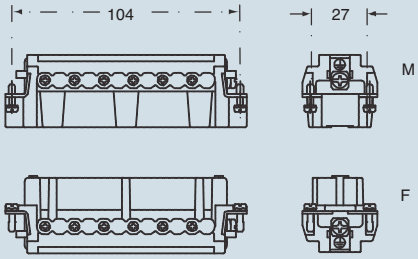


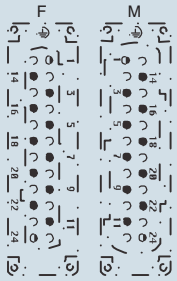
diagram CMSE 10 poles



dimensions in mm



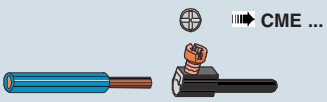
contacts side (front view)



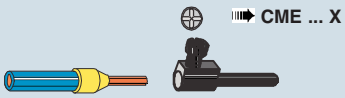
◑ the auxiliary contacts are in the forward position upon opening

- 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 lenght: 7 mm
- terminal screw torque: 0.5 Nm (4.4 lb.in), for more information see page 21 and 22

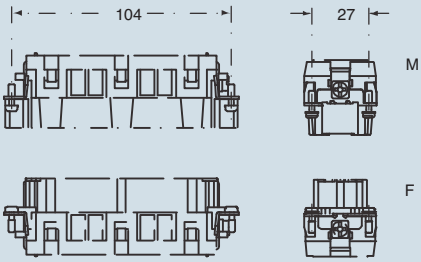
1) for non-prepared conductors



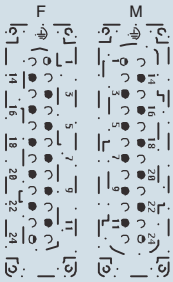
2) for bush terminal conductors



dimensions in mm



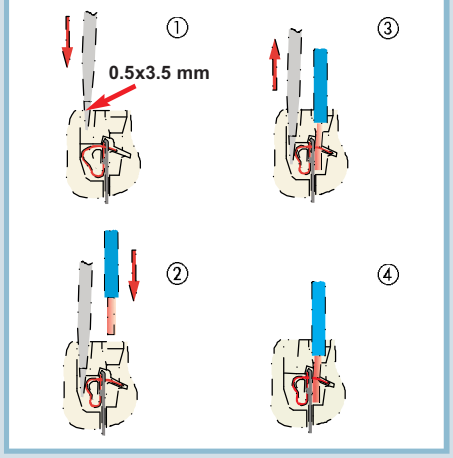
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

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

connection with spring terminal



dimensions shown are not binding and may be changed without notice

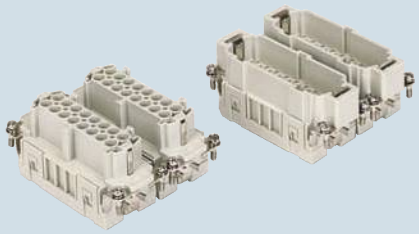
CMCE 12 + 4 (aux) poles + ⏚ 16A - 830V

enclosures:
size "77.62" page:

C-TYPE IP65/IP66 ..... 244 - 247
aggressive environments 333

- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF, CCM and CC...AN series) on pages 466, 470, 480, 482, 484, 486

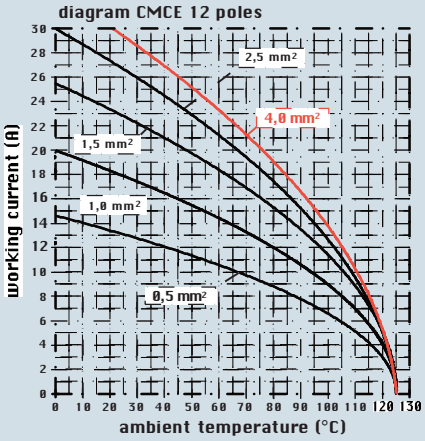
inserts, crimp connections



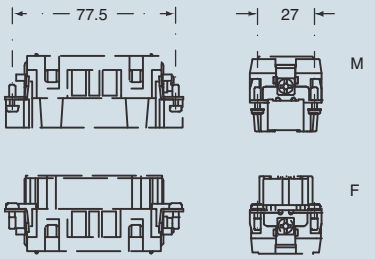
16A crimp contacts normal and for advanced opening silver and gold plated

description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts, No. (1÷16) and (17÷32) male inserts, No. (1÷16) and (17÷32)	**CMCEF 06** **CMCEM 06**	**CMCEF 06 N** **CMCEM 06 N**		
16A female contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves			**CCFA 0.3** **CCFA 0.5** **CCFA 0.7** **CCFA 1.0** **CCFA 1.5** **CCFA 2.5** **CCFA 3.0** **CCFA 4.0** **silver plated**	**CCFD 0.3** **CCFD 0.5** **CCFD 0.7** **CCFD 1.0** **CCFD 1.5** **CCFD 2.5** **CCFD 3.0** **CCFD 4.0** **gold plated**
16A male contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves			**CCMA 0.3** **CCMA 0.5** **CCMA 0.7** **CCMA 1.0** **CCMA 1.5** **CCMA 2.5** **CCMA 3.0** **CCMA 4.0**	**CCMD 0.3** **CCMD 0.5** **CCMD 0.7** **CCMD 1.0** **CCMD 1.5** **CCMD 2.5** **CCMD 3.0** **CCMD 4.0**
16A male crimp contacts for advanced opening 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves			**CC 0.5 AN** **CC 0.7 AN** **CC 1.0 AN** **CC 1.5 AN** **CC 2.5 AN**	

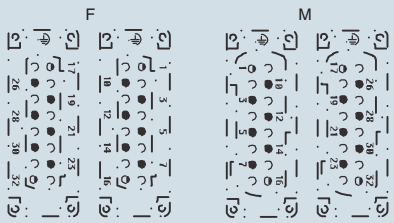
- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for maximum current load, see the following load curves inserts, for more information see page 497



dimensions in mm



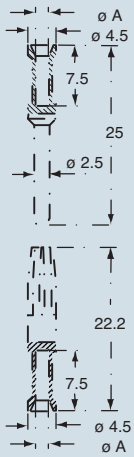
contacts side (front view)



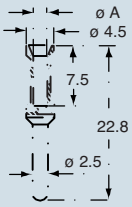
◑ the auxiliary contacts are in the forward position upon opening

dimensions in mm

CCF and CCM



CC...AN



CCF, CCM and CC..AN contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length (mm)
0.14-0.37	0.9	7.5
0.5	1.1	7.5
0.75	1.3	7.5
1.0	1.45	7.5
1.5	1.8	7.5
2.5	2.2	7.5
3	2.55	7.5
4	2.85	7.5

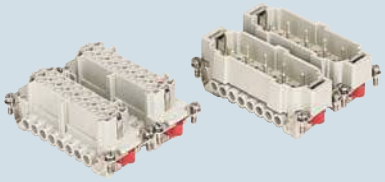
dimensions shown are not binding and may be changed without notice

CME - CMSE 12 + 4 (aux) poles + ⏚ 16A - 830V

enclosures:
size "77.62" page:

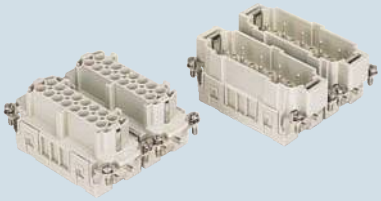
C-TYPE IP65/IP66 ..... 244 - 247
aggressive environments 333

inserts, screw terminal connection



silver plated contacts

inserts, spring terminal connection



silver 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)	**CMEF 06 T** **CMEM 06 T**	**CMEF 06 TN** **CMEM 06 TN**		
direct, without plate 2) female inserts, No. (1-16) and (17-32) male inserts, No. (1-16) and (17-32)	**CMEF 06 TX** **CMEM 06 TX**	**CMEF 06 TXN** **CMEM 06 TXN**		
female inserts, No. (1-16) and (17-32) male inserts, No. (1-16) and (17-32)			**CMSEF 06** **CMSEM 06**	**CMSEF 06 N** **CMSEM 06 N**

- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ (CME) - ≤ 3 mΩ (CMSE)
- for maximum current load, see the following load curves inserts, for more information see page 497

diagram CME 12 poles

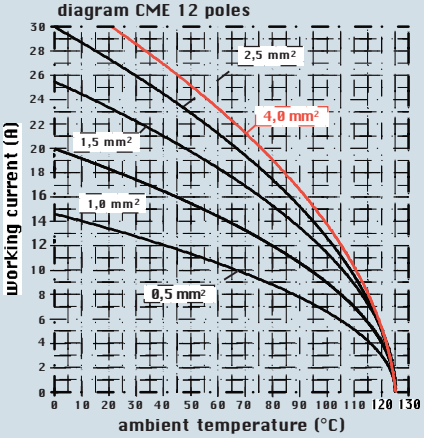
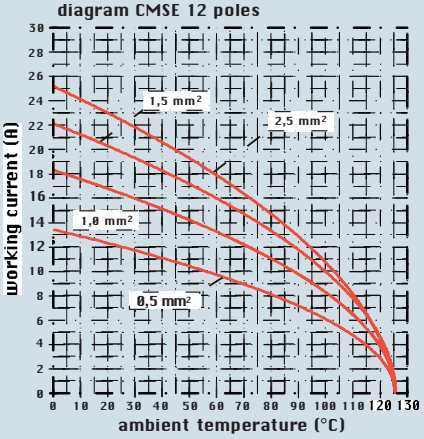
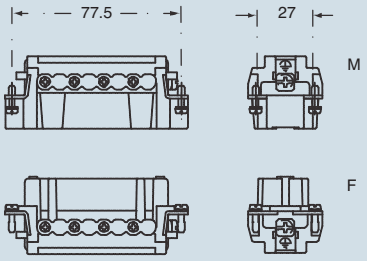


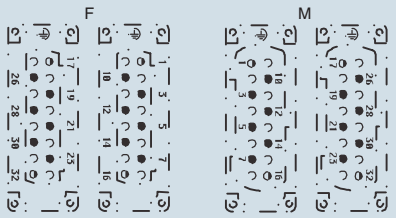
diagram CMSE 12 poles



dimensions in mm



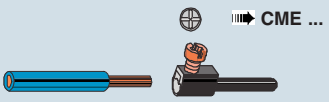
contacts side (front view)



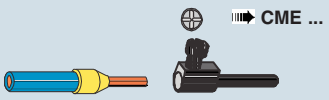
◑ the auxiliary contacts are in the forward position upon opening

- 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 lenght: 7 mm
- terminal screw torque: 0.5 Nm (4.4 lb.in), for more information see page 21 and 22

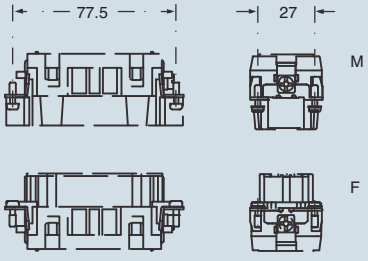
1) for non-prepared conductors



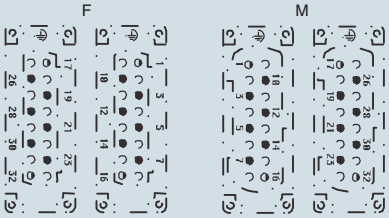
2) for bush terminal conductors



dimensions in mm



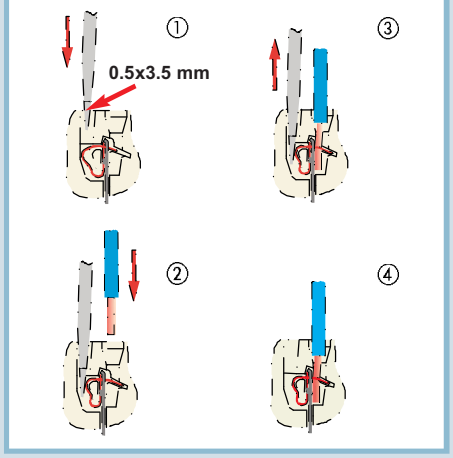
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

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

connection with spring terminal



dimensions shown are not binding and may be changed without notice

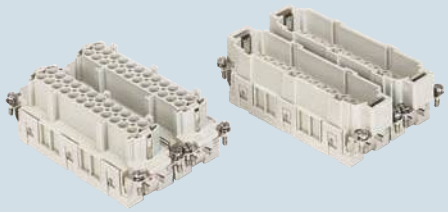
CMCE 20 + 4 (aux) poles + ⏚ 16A - 830V

enclosures:
size "104.62" page:

C-TYPE IP65/IP66 248
aggressive environments 334

- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF, CCM and CC...AN series) on pages 466, 470, 480, 482, 484, 486

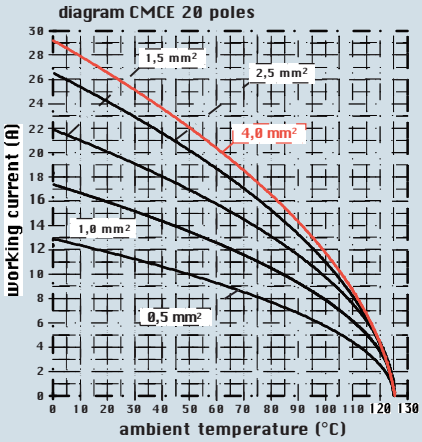
inserts, crimp connections



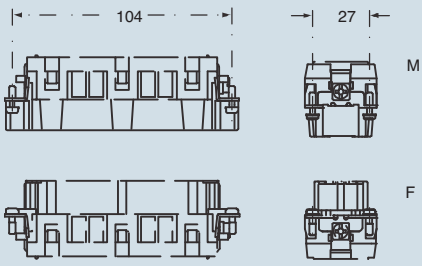
16A crimp contacts normal and for advanced opening silver and gold plated

description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts, No. (1-24) and (25-48) male inserts, No. (1-24) and (25-48)	**CMCEF 10** **CMCEM 10**	**CMCEF 10 N** **CMCEM 10 N**		
16A female contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves			**CCFA 0.3** **CCFA 0.5** **CCFA 0.7** **CCFA 1.0** **CCFA 1.5** **CCFA 2.5** **CCFA 3.0** **CCFA 4.0** **silver plated**	**CCFD 0.3** **CCFD 0.5** **CCFD 0.7** **CCFD 1.0** **CCFD 1.5** **CCFD 2.5** **CCFD 3.0** **CCFD 4.0** **gold plated**
16A male contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves			**CCMA 0.3** **CCMA 0.5** **CCMA 0.7** **CCMA 1.0** **CCMA 1.5** **CCMA 2.5** **CCMA 3.0** **CCMA 4.0**	**CCMD 0.3** **CCMD 0.5** **CCMD 0.7** **CCMD 1.0** **CCMD 1.5** **CCMD 2.5** **CCMD 3.0** **CCMD 4.0**
16A male crimp contacts for advanced opening 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves			**CC 0.5 AN** **CC 0.7 AN** **CC 1.0 AN** **CC 1.5 AN** **CC 2.5 AN**	

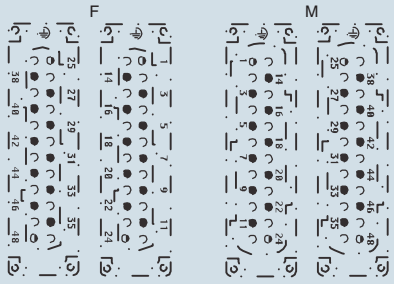
- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for maximum current load, see the following load curves inserts, for more information see page 497



dimensions in mm



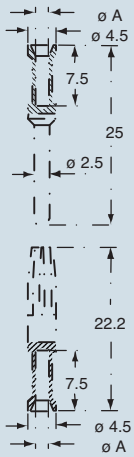
contacts side (front view)



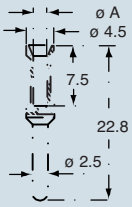
◑ the auxiliary contacts are in the forward position upon opening

dimensions in mm

CCF and CCM



CC...AN



CCF, CCM and CC..AN contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length (mm)
0.14-0.37	0.9	7.5
0.5	1.1	7.5
0.75	1.3	7.5
1.0	1.45	7.5
1.5	1.8	7.5
2.5	2.2	7.5
3	2.55	7.5
4	2.85	7.5

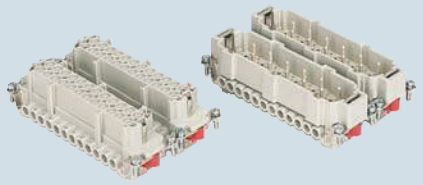
dimensions shown are not binding and may be changed without notice

CME - CMSE 20 + 4 (aux) poles + ⏚ 16A - 830V

enclosures:
size "104.62" page:

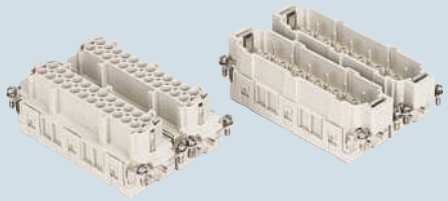
C-TYPE IP65/IP66 248
aggressive environments 334

inserts, screw terminal connection



silver plated contacts

inserts, spring terminal connection



silver 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)	**CMEF 10 T** **CMEM 10 T**	**CMEF 10 TN** **CMEM 10 TN**		
direct, without plate 2) female inserts, No. (1-24) and (25-48) male inserts, No. (1-24) and (25-48)	**CMEF 10 TX** **CMEM 10 TX**	**CMEF 10 TXN** **CMEM 10 TXN**		
female inserts, No. (1-24) and (25-48) male inserts, No. (1-24) and (25-48)			**CMSEF 10** **CMSEM 10**	**CMSEF 10 N** **CMSEM 10 N**

- characteristics according to EN 61984:
  16A 830V 8kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ (CME) - ≤ 3 mΩ (CMSE)
- for maximum current load, see the following load curves inserts, for more information see page 497

diagram CME 20 poles

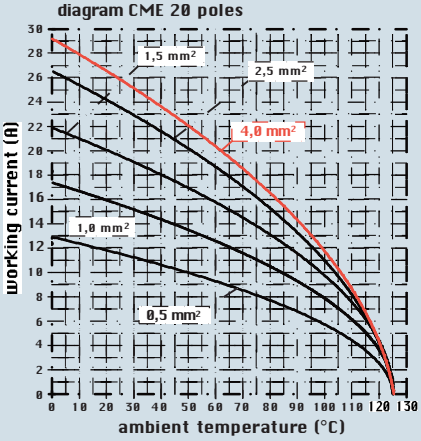
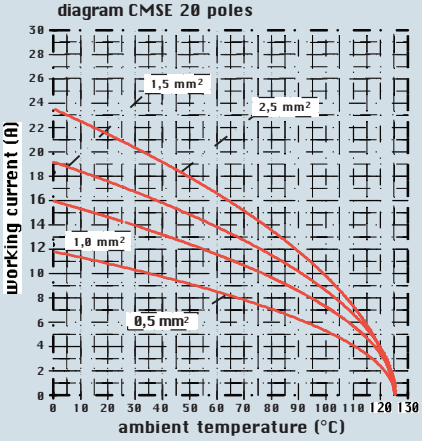
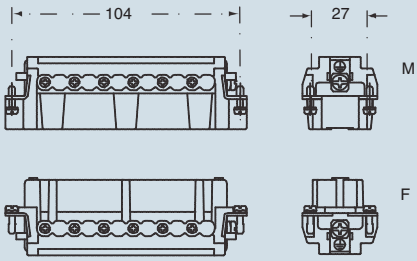


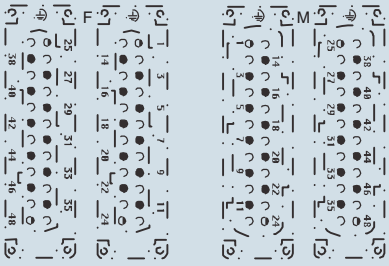
diagram CMSE 20 poles



dimensions in mm



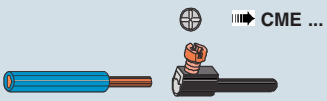
contacts side (front view)



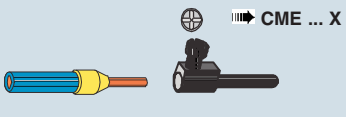
◑ the auxiliary contacts are in the forward position upon opening

- 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 lenght: 7 mm
- terminal screw torque: 0.5 Nm (4.4 lb.in), for more information see page 21 and 22

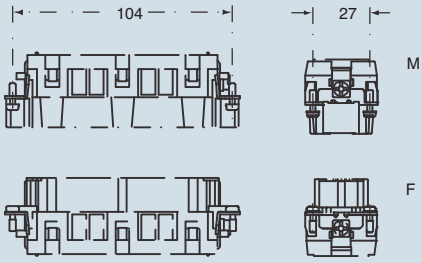
1) for non-prepared conductors



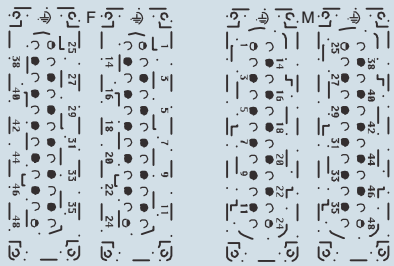
2) for bush terminal conductors



dimensions in mm



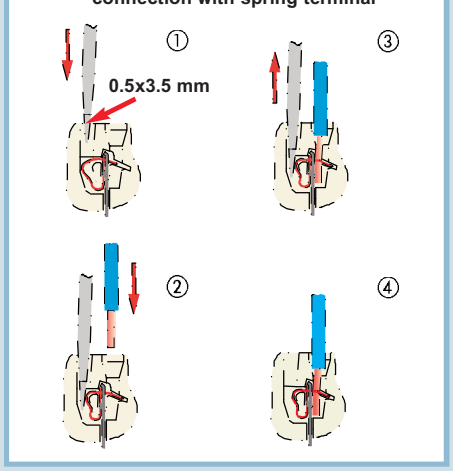
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

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

connection with spring terminal



dimensions shown are not binding and may be changed without notice

CMCE 16 + 2 (aux) poles + ⏚ 16A - 400/690V

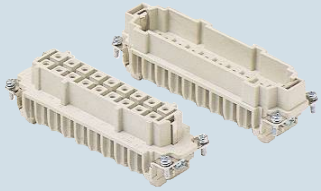
enclosures:
size "104.27" page:

T-TYPE IP65 insulating 285
aggressive environments 332
insulated 830V ..... 403 - 407

panel supports: page:
COB ..... 410 - 411

- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF and CCM series) on pages 466, 470, 480, 482, 484, 486

inserts, crimp connections

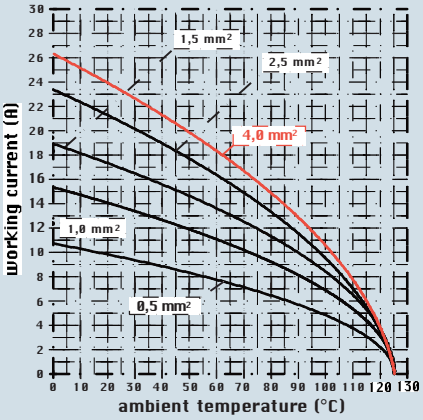


16A crimp contacts silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts for female contacts male inserts for male contacts	**CMCEF 16** **CMCEM 16**		
16A female contacts			
0.14-0.37 mm² AWG 26-22 three grooves		**CCFA 0.3**	**CCFD 0.3**
0.5 mm² AWG 20 with no grooves		**CCFA 0.5**	**CCFD 0.5**
0.75 mm² AWG 18 one groove (back side)		**CCFA 0.7**	**CCFD 0.7**
1 mm² AWG 18 one groove		**CCFA 1.0**	**CCFD 1.0**
1.5 mm² AWG 16 two grooves		**CCFA 1.5**	**CCFD 1.5**
2.5 mm² AWG 14 three grooves		**CCFA 2.5**	**CCFD 2.5**
3 mm² AWG 12 one wide groove		**CCFA 3.0**	**CCFD 3.0**
4 mm² AWG 12 with no grooves		**CCFA 4.0**	**CCFD 4.0**
		silver plated	**gold plated**
16A male contacts			
0.14-0.37 mm² AWG 26-22 three grooves		**CCMA 0.3**	**CCMD 0.3**
0.5 mm² AWG 20 with no grooves		**CCMA 0.5**	**CCMD 0.5**
0.75 mm² AWG 18 one groove (back side)		**CCMA 0.7**	**CCMD 0.7**
1 mm² AWG 18 one groove		**CCMA 1.0**	**CCMD 1.0**
1.5 mm² AWG 16 two grooves		**CCMA 1.5**	**CCMD 1.5**
2.5 mm² AWG 14 three grooves		**CCMA 2.5**	**CCMD 2.5**
3 mm² AWG 12 one wide groove		**CCMA 3.0**	**CCMD 3.0**
4 mm² AWG 12 with no grooves		**CCMA 4.0**	**CCMD 4.0**

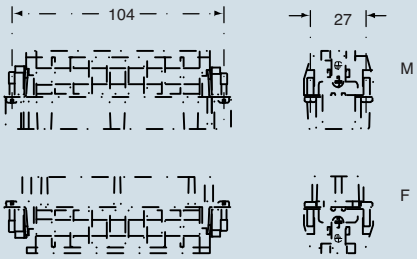
- characteristics according to EN 61984:
  16A 400/690V 6kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- inserts and enclosures for applications with temperatures up to 180 °C, available on request; enclosures on page 357
- for maximum current load, see the following load curves inserts, for more information see page 497

diagram CMCE 16 poles

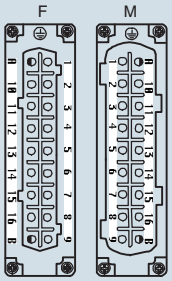


dimensions shown are not binding and may be changed without notice

dimensions in mm



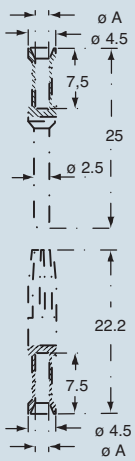
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

- the auxiliary contacts are the same as power contacts: early opening is obtained by drawing back the seats

dimensions in mm



CCF and CCM contacts

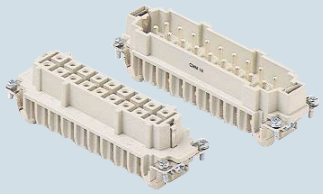
conductor section mm²	conductor slot ø A (mm)	conductors stripping length (mm)
0.14-0.37	0.9	7.5
0.5	1.1	7.5
0.75	1.3	7.5
1.0	1.45	7.5
1.5	1.8	7.5
2.5	2.2	7.5
3	2.55	7.5
4	2.85	7.5

enclosures:
size "104.27" page:

T-TYPE IP65 insulating 285
aggressive environments..... 332
insulated 830V ..... 403 - 407

panel supports: page:
COB ..... 410 - 411

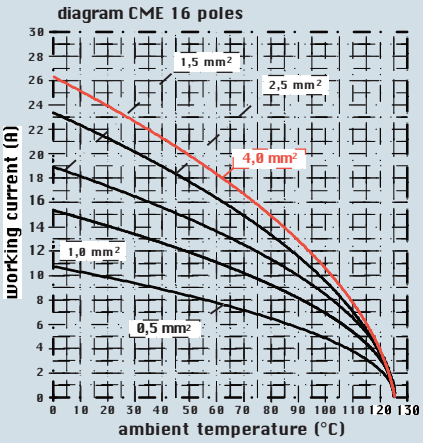
inserts,
screw terminal connection



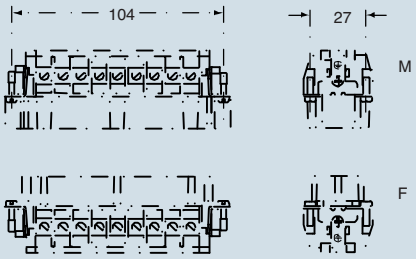
silver plated contacts

description	part No.
female inserts with female contacts	**CMEF 16**
male inserts with male contacts	**CMEM 16**

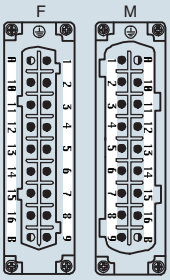
- characteristics according to EN 61984:
  16A 400/690V 6kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- inserts and enclosures for applications with temperatures up to 180 °C, available on request; enclosures on page 357
- for maximum current load, see the following load curves inserts, for more information see page 497



dimensions in mm



contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

- inserts with plate, for section conductors: 0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping lenght: 7 mm
- terminal screw torque: 0.5 Nm (4.4 lb.in), for more information see page 21 and 22

dimensions shown are not binding
and may be changed without notice

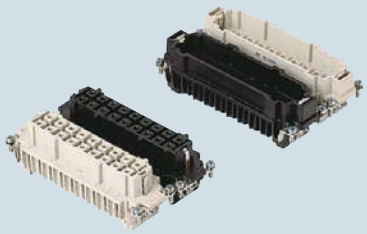
CMCE 32 + 4 (aux) poles + ⏚ 16A - 400/690V

enclosures:
size "104.62" page:

C-TYPE IP65/IP66 248
aggressive environments 334

- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF and CCM series) on pages 466, 470, 480, 482, 484, 486

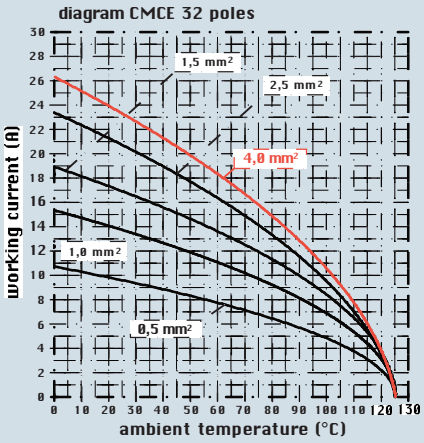
inserts, crimp connections



16A crimp contacts silver and gold plated

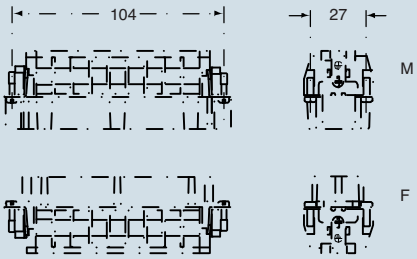
description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts, white and black male inserts, white and black	**CMCEF 16** **CMCEM 16**	**CMCEF 16 N** **CMCEM 16 N**		
16A female contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves			**CCFA 0.3** **CCFA 0.5** **CCFA 0.7** **CCFA 1.0** **CCFA 1.5** **CCFA 2.5** **CCFA 3.0** **CCFA 4.0** **silver plated**	**CCFD 0.3** **CCFD 0.5** **CCFD 0.7** **CCFD 1.0** **CCFD 1.5** **CCFD 2.5** **CCFD 3.0** **CCFD 4.0** **gold plated**
16A male contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² AWG 18 one groove 1.5 mm² AWG 16 two grooves 2.5 mm² AWG 14 three grooves 3 mm² AWG 12 one wide groove 4 mm² AWG 12 with no grooves			**CCMA 0.3** **CCMA 0.5** **CCMA 0.7** **CCMA 1.0** **CCMA 1.5** **CCMA 2.5** **CCMA 3.0** **CCMA 4.0**	**CCMD 0.3** **CCMD 0.5** **CCMD 0.7** **CCMD 1.0** **CCMD 1.5** **CCMD 2.5** **CCMD 3.0** **CCMD 4.0**

- characteristics according to EN 61984:
  16A 400/690V 6kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for maximum current load, see the following load curves inserts, for more information see page 497

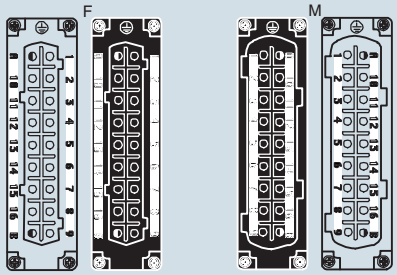


dimensions shown are not binding and may be changed without notice

dimensions in mm



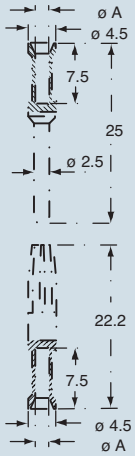
contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

- the auxiliary contacts are the same as power contacts: early opening is obtained by drawing back the seats

dimensions in mm



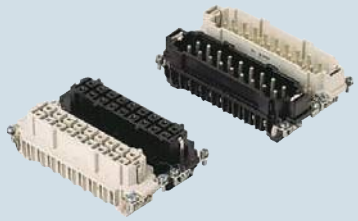
CCF and CCM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length (mm)
0.14-0.37	0.9	7.5
0.5	1.1	7.5
0.75	1.3	7.5
1.0	1.45	7.5
1.5	1.8	7.5
2.5	2.2	7.5
3	2.55	7.5
4	2.85	7.5

enclosures:
size "104.62" page:

C-TYPE IP65/IP66 248
aggressive environments 334

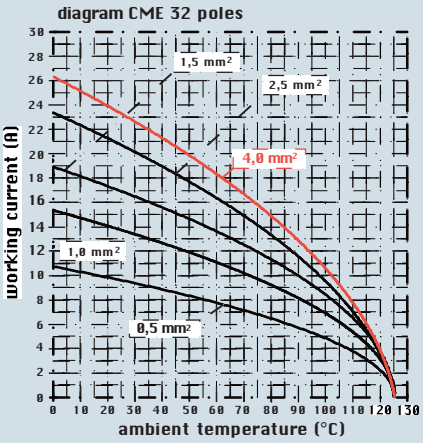
inserts,
screw terminal connection



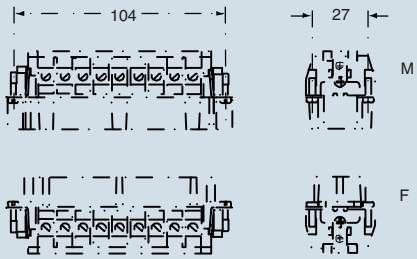
silver plated contacts

description	part No.	part No.
female inserts, white and black	**CMEF 16**	**CMEF 16 N**
male inserts, white and black	**CMEM 16**	**CMEM 16 N**

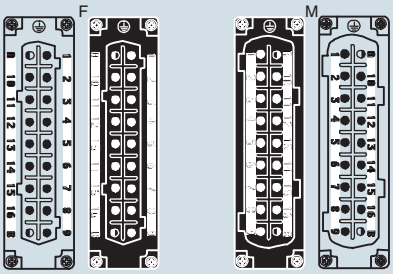
- characteristics according to EN 61984:
  16A 400/690V 6kV 3
  16A 1000V 8kV 2
  16A 720/1250V 8kV 2
- auxiliary contacts: **16A 500V 6kV 3**
- UL, CSA, CCC, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 1 mΩ
- for maximum current load, see the following load curves inserts, for more information see page 497



dimensions in mm



contacts side (front view)



◑ the auxiliary contacts are in the forward position upon opening

- inserts with plate, for section conductors: 0.75 - 2.5 mm² - AWG 18 - 14
- conductors stripping lenght: 7 mm
- terminal screw torque: 0.5 Nm (4.4 lb.in), for more information see page 21 and 22

dimensions shown are not binding
and may be changed without notice