

enclosures:

size "77.27"

page:

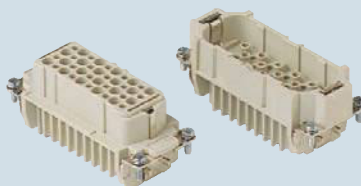
C-TYPE IP65/IP66	228 - 234
C7 IP67 stainless steel lever	256
V-TYPE IP65/IP66 stainless steel lever	268 - 271
T-TYPE IP65 insulating	284
JEI zinc-plated steel lever	292 - 293
BIG hoods	312 - 315
aggressive environments	331
EMC	350
central lever	364 - 365
IP68	382 - 385

panel supports:

page:

COB	410 - 411
-----------	-----------

inserts, crimp connections



10A 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

CDF 40
CDM 40

10A female contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

10A male contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

CDFA 0.3
CDFA 0.5
CDFA 0.7
CDFA 1.0
CDFA 1.5
CDFA 2.5

silver plated

CDFD 0.3
CDFD 0.5
CDFD 0.7
CDFD 1.0
CDFD 1.5
CDFD 2.5

gold plated

CDMA 0.3
CDMA 0.5
CDMA 0.7
CDMA 1.0
CDMA 1.5
CDMA 2.5

CDMD 0.3
CDMD 0.5
CDMD 0.7
CDMD 1.0
CDMD 1.5
CDMD 2.5

- characteristics according to EN 61984:

10A 250V 4kV 3

10A 230/400V 4kV 2

- compliant with DIN EC 175-301-801 standard

- UL, CSA, CCC, GL, GOST certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: -40 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

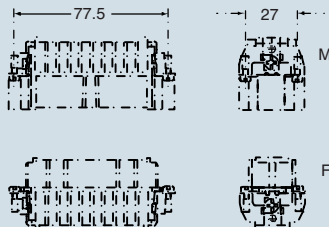
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see
the special voltage application section on page 44

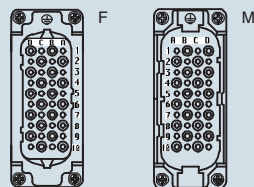
- for contact crimping instructions, please see the
crimping tool section (10A contacts, CDF and CDM
series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load
curves inserts, for more information see page 493

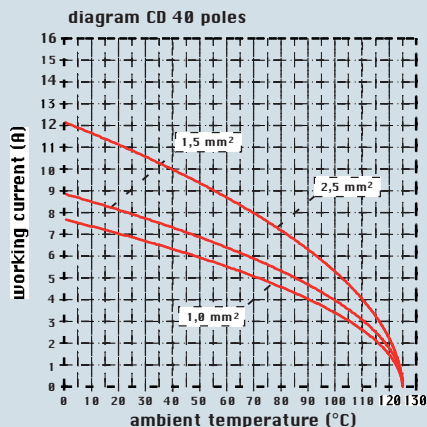
dimensions in mm



contacts side (front view)



dimensions in mm



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

enclosures:

size "104.27"

page:

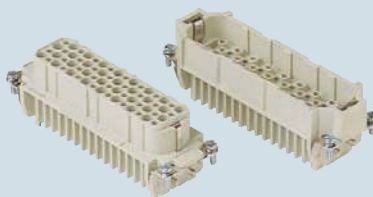
C-TYPE IP65/IP66	236 - 243
C7 IP67 stainless steel lever	257
V-TYPE IP65/IP66 stainless steel lever	272 - 275
T-TYPE IP65 insulating	285
JEI zinc-plated steel lever	294 - 295
BIG hoods	316 - 319
aggressive environments	332
EMC	351
central lever	366 - 368
IP68	386 - 389

panel supports:

page:

COB	410 - 411
-----------	-----------

inserts, crimp connections



10A 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

CDFA 64
CDM 64

10A female contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

10A male contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

- characteristics according to EN 61984:

10A 250V 4kV 3

10A 230/400V 4kV 2

- compliant with DIN EC 175-301-801 standard

- UL, CSA, CCC, GL, GOST certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: -40 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

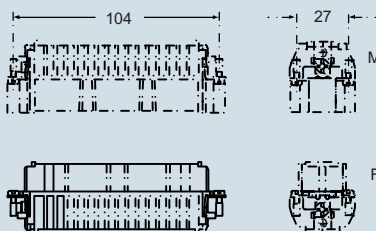
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see the special voltage application section on page 44

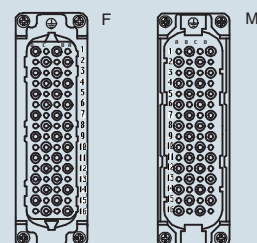
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load curves inserts, for more information see page 493

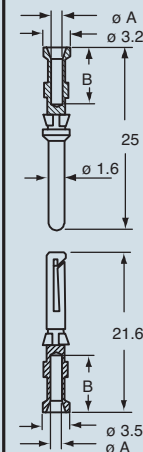
dimensions in mm



contacts side (front view)

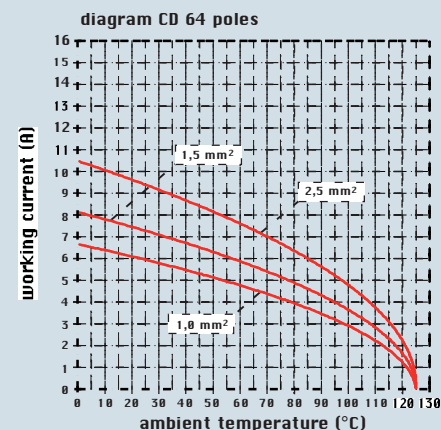


dimensions in mm



CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6



dimensions shown are not binding
and may be changed without notice

enclosures:

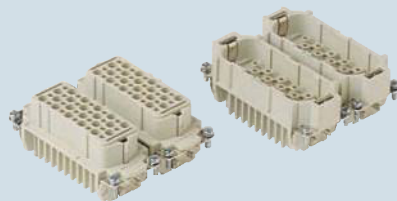
size "77.62"

page:

C-TYPE IP65/IP66 244 - 247

aggressive environments 333

inserts, crimp connections



10A crimp contacts
silver and gold plated



description

part No.

part No.

part No.

part No.

without contacts (to be ordered separately)

female inserts

male inserts

CDF 40
CDM 40

CDF 40
CDM 40

10A female contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

10A male contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

- characteristics according to EN 61984:

10A 250V 4kV 3

10A 230/400V 4kV 2

- compliant with DIN EC 175-301-801 standard

- UL, CSA, CCC, GL, GOST certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: -40 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

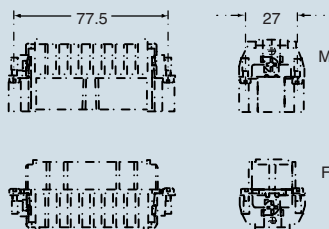
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see the special voltage application section on page 44

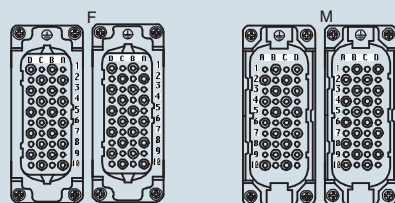
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load curves inserts, for more information see page 493

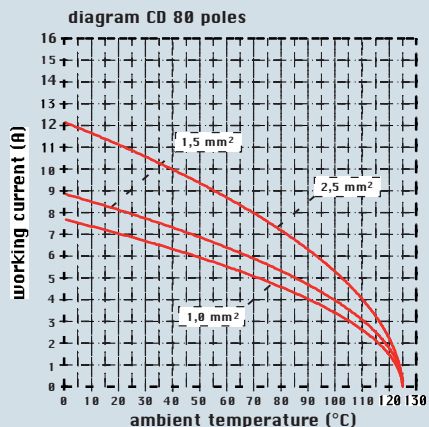
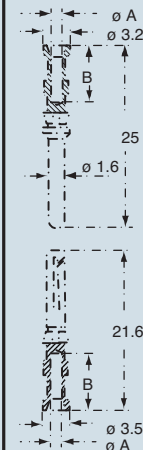
dimensions in mm



contacts side (front view)



dimensions in mm



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

enclosures:

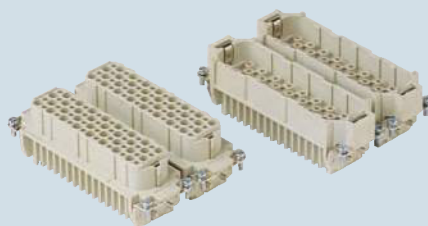
size "104.62"

page:

C-TYPE IP65/IP66..... 248

aggressive environments 334

inserts, crimp connections



10A crimp contacts
silver and gold plated



description

part No.

part No.

part No.

part No.

without contacts (to be ordered separately)

female inserts

male inserts

CDF 64
CDM 64

CDF 64
CDM 64

10A female contacts

0.14-0.37 mm² AWG 26-22 identification No. 1

0.5 mm² AWG 20 identification No. 2

0.75 mm² AWG 18 identification No. ②

1 mm² AWG 18 identification No. 3

1.5 mm² AWG 16 identification No. 4

2.5 mm² AWG 14 identification No. 5

10A male contacts

0.14-0.37 mm² AWG 26-22 identification No. 1

0.5 mm² AWG 20 identification No. 2

0.75 mm² AWG 18 identification No. ②

1 mm² AWG 18 identification No. 3

1.5 mm² AWG 16 identification No. 4

2.5 mm² AWG 14 identification No. 5

CDFA 0.3
CDFA 0.5
CDFA 0.7
CDFA 1.0
CDFA 1.5
CDFA 2.5

silver plated

CDFD 0.3
CDFD 0.5
CDFD 0.7
CDFD 1.0
CDFD 1.5
CDFD 2.5

gold plated

CDMA 0.3
CDMA 0.5
CDMA 0.7
CDMA 1.0
CDMA 1.5
CDMA 2.5

CDMD 0.3
CDMD 0.5
CDMD 0.7
CDMD 1.0
CDMD 1.5
CDMD 2.5

- characteristics according to EN 61984:

10A 250V 4kV 3

10A 230/400V 4kV 2

- compliant with DIN EC 175-301-801 standard

- UL, CSA, CCC, GL, GOST certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: -40 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

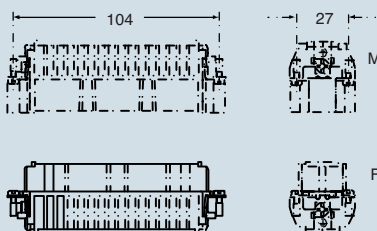
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see
the special voltage application section on page 44

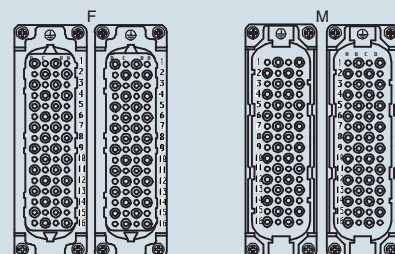
- for contact crimping instructions, please see the
crimping tool section (10A contacts, CDF and CDM
series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load
curves inserts, for more information see page 493

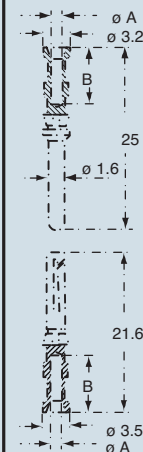
dimensions in mm



contacts side (front view)

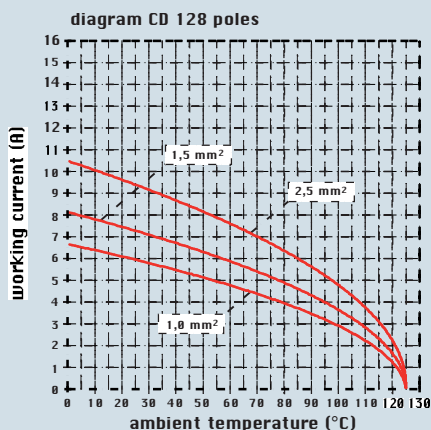


dimensions in mm



CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6



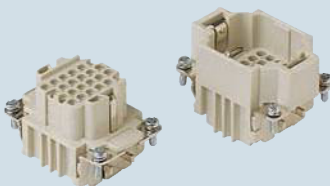
dimensions shown are not binding
and may be changed without notice

enclosures:
size "44.27" page:

C-TYPE IP65/IP66	218 - 221
C7 IP67 stainless steel lever	254
V-TYPE IP65/IP66 stainless steel lever	260 - 262
T-TYPE IP65 insulating	282
JEI zinc-plated steel lever	288 - 289
BIG hoods	304 - 306
aggressive environments	329
EMC	348
central lever	360 - 361
IP68	374 - 377

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

inserts, crimp connections



10A 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

CDDF 24
CDDM 24

10A female contacts		
0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

10A male contacts		
0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

CDFA 0.3
CDFA 0.5
CDFA 0.7
CDFA 1.0
CDFA 1.5
CDFA 2.5

silver plated

CDFD 0.3
CDFD 0.5
CDFD 0.7
CDFD 1.0
CDFD 1.5
CDFD 2.5

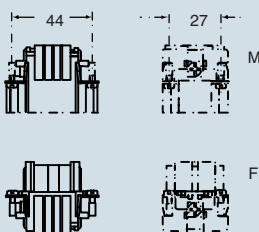
gold plated

CDMA 0.3
CDMA 0.5
CDMA 0.7
CDMA 1.0
CDMA 1.5
CDMA 2.5

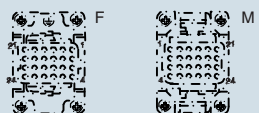
CDMD 0.3
CDMD 0.5
CDMD 0.7
CDMD 1.0
CDMD 1.5
CDMD 2.5

- characteristics according to EN 61984:
10A 250V 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 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- for applications requiring higher voltages, please see the special voltage application section on page 58
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 466, 470, 480, 482, 484, 486
- for maximum current load, see the following load curves inserts, for more information see page 494

dimensions in mm

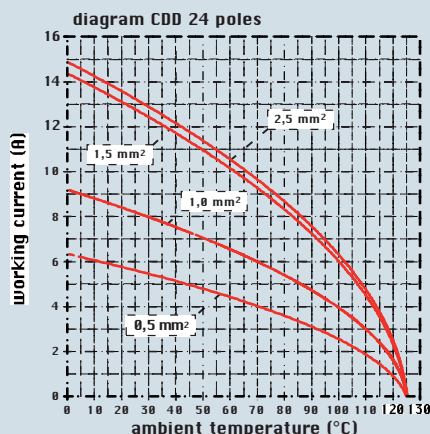
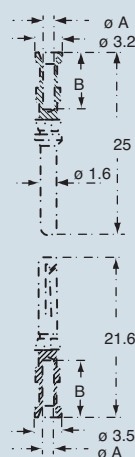


contacts side (front view)



- PCBs interface, see article CIF 2.4

dimensions in mm



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

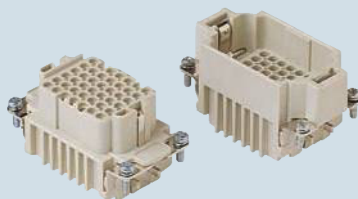
conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

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

inserts, crimp connections



10A 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

CDDF 42
CDDM 42

10A female contacts		
0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

10A male contacts		
0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

CDFA 0.3
CDFA 0.5
CDFA 0.7
CDFA 1.0
CDFA 1.5
CDFA 2.5

silver plated

CDFD 0.3
CDFD 0.5
CDFD 0.7
CDFD 1.0
CDFD 1.5
CDFD 2.5

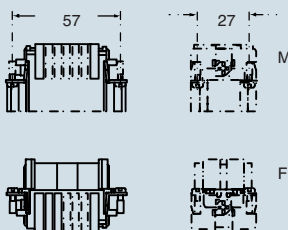
gold plated

CDMA 0.3
CDMA 0.5
CDMA 0.7
CDMA 1.0
CDMA 1.5
CDMA 2.5

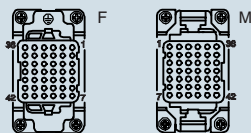
CDMD 0.3
CDMD 0.5
CDMD 0.7
CDMD 1.0
CDMD 1.5
CDMD 2.5

- characteristics according to EN 61984:
10A 250V 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 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- for applications requiring higher voltages, please see the special voltage application section on page 58
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 466, 470, 480, 482, 484, 486
- for maximum current load, see the following load curves inserts, for more information see page 494

dimensions in mm

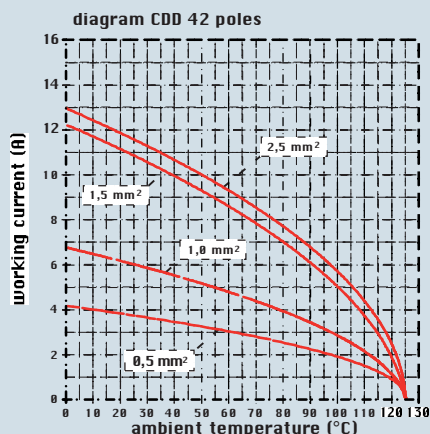
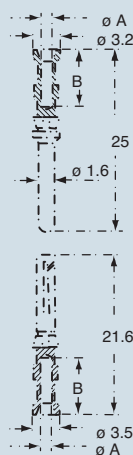


contacts side (front view)



- PCBs interface, see article CIF 2.4

dimensions in mm



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

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

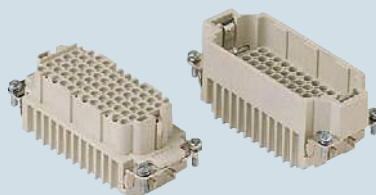
IP68 382 - 385

panel supports:

page:

COB 410 - 411

inserts, crimp connections



10A 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

CDDF 72

CDDM 72

10A female contacts

0.14-0.37 mm² AWG 26-22 identification No. 1

0.5 mm² AWG 20 identification No. 2

0.75 mm² AWG 18 identification No. ②

1 mm² AWG 18 identification No. 3

1.5 mm² AWG 16 identification No. 4

2.5 mm² AWG 14 identification No. 5

10A male contacts

0.14-0.37 mm² AWG 26-22 identification No. 1

0.5 mm² AWG 20 identification No. 2

0.75 mm² AWG 18 identification No. ②

1 mm² AWG 18 identification No. 3

1.5 mm² AWG 16 identification No. 4

2.5 mm² AWG 14 identification No. 5

CDFA 0.3

CDFA 0.5

CDFA 0.7

CDFA 1.0

CDFA 1.5

CDFA 2.5

silver plated

CDFD 0.3

CDFD 0.5

CDFD 0.7

CDFD 1.0

CDFD 1.5

CDFD 2.5

gold plated

CDMA 0.3

CDMA 0.5

CDMA 0.7

CDMA 1.0

CDMA 1.5

CDMA 2.5

CDMD 0.3

CDMD 0.5

CDMD 0.7

CDMD 1.0

CDMD 1.5

CDMD 2.5

- characteristics according to EN 61984:

10A 250V 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 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

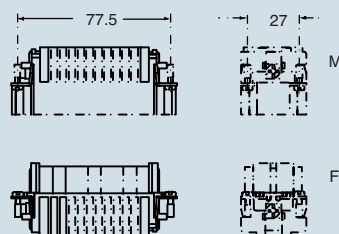
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see
the special voltage application section on page 58

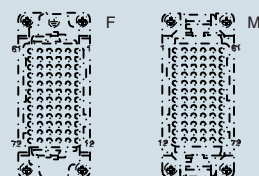
- for contact crimping instructions, please see the
crimping tool section (10A contacts, CDF and CDM
series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load
curves inserts, for more information see page 494

dimensions in mm

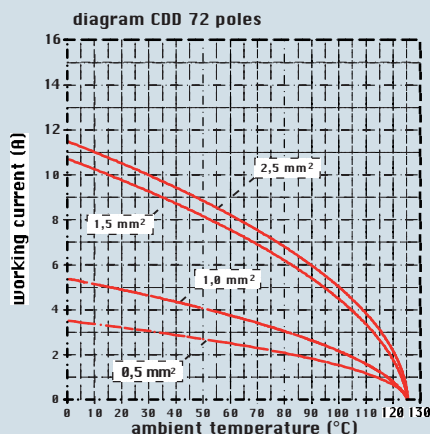
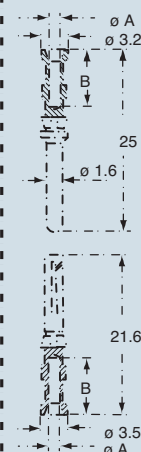


contacts side (front view)



- PCBs interface, see article CIF 2.4

dimensions in mm



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

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

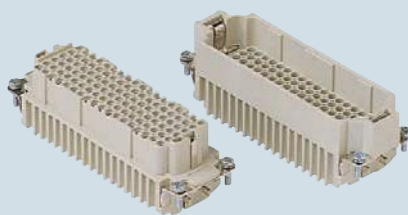
IP68 386 - 389

panel supports:

page:

COB 410 - 411

inserts, crimp connections



10A 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

CDDF 108

CDDM 108

10A female contacts

0.14-0.37 mm² AWG 26-22 identification No. 1

0.5 mm² AWG 20 identification No. 2

0.75 mm² AWG 18 identification No. ②

1 mm² AWG 18 identification No. 3

1.5 mm² AWG 16 identification No. 4

2.5 mm² AWG 14 identification No. 5

10A male contacts

0.14-0.37 mm² AWG 26-22 identification No. 1

0.5 mm² AWG 20 identification No. 2

0.75 mm² AWG 18 identification No. ②

1 mm² AWG 18 identification No. 3

1.5 mm² AWG 16 identification No. 4

2.5 mm² AWG 14 identification No. 5

CDFA 0.3

CDFA 0.5

CDFA 0.7

CDFA 1.0

CDFA 1.5

CDFA 2.5

silver plated

CDFD 0.3

CDFD 0.5

CDFD 0.7

CDFD 1.0

CDFD 1.5

CDFD 2.5

gold plated

CDMA 0.3

CDMA 0.5

CDMA 0.7

CDMA 1.0

CDMA 1.5

CDMA 2.5

CDMD 0.3

CDMD 0.5

CDMD 0.7

CDMD 1.0

CDMD 1.5

CDMD 2.5

- characteristics according to EN 61984:

10A 250V 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 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

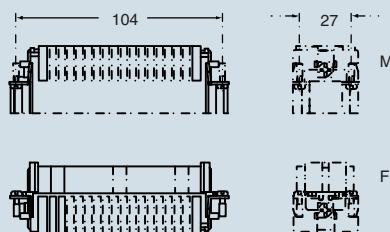
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see the special voltage application section on page 58

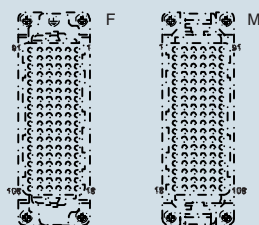
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load curves inserts, for more information see page 494

dimensions in mm



contacts side (front view)



- PCBs interface, see article CIF 2.4

dimensions in mm

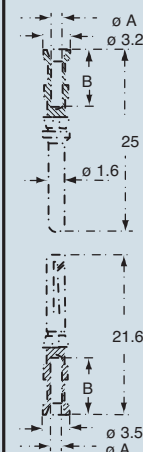
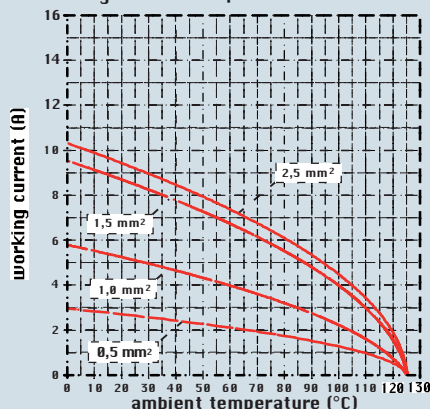


diagram CDD 108 poles



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

enclosures:

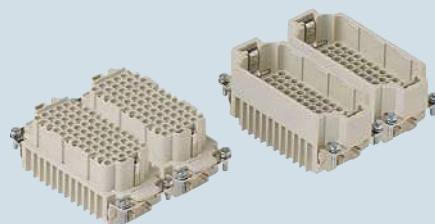
size "77.62"

page:

C-TYPE IP65/IP66 244 - 247

aggressive environments 333

inserts, crimp connections



10A crimp contacts
silver and gold plated



description

part No.

part No.

part No.

part No.

without contacts (to be ordered separately)

female inserts, No. (1-72) and (73-144)

male inserts, No. (1-72) and (73-144)

CDDF 72
CDDM 72

CDDF 72 N
CDDM 72 N

10A female contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

10A male contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

silver plated
CDFA 0.3
CDFA 0.5
CDFA 0.7
CDFA 1.0
CDFA 1.5
CDFA 2.5

gold plated
CDFD 0.3
CDFD 0.5
CDFD 0.7
CDFD 1.0
CDFD 1.5
CDFD 2.5

- characteristics according to EN 61984:

10A 250V 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 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

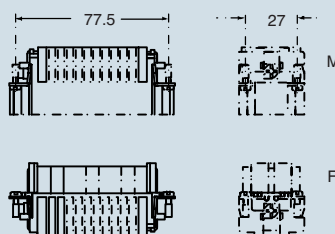
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see
the special voltage application section on page 58

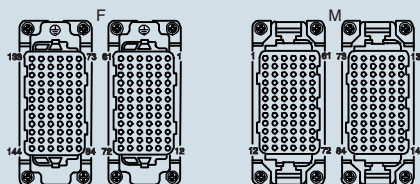
- for contact crimping instructions, please see the
crimping tool section (10A contacts, CDF and CDM
series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load
curves inserts, for more information see page 494

dimensions in mm

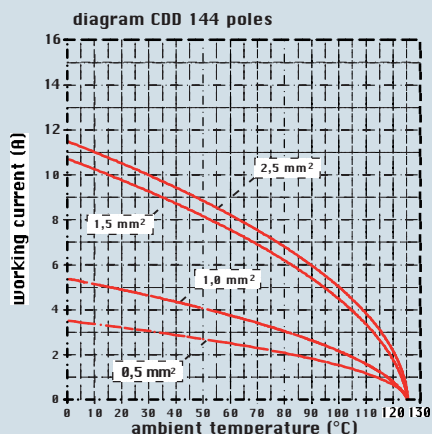
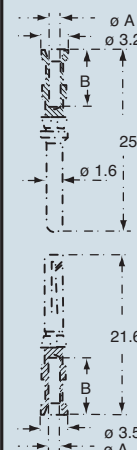


contacts side (front view)



- PCBs interface, see article CIF 2.4

dimensions in mm



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

enclosures:

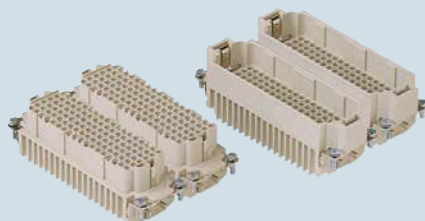
size "104.62"

page:

C-TYPE IP65/IP66..... 248

aggressive environments..... 334

inserts, crimp connections



10A crimp contacts silver and gold plated



description

without contacts (to be ordered separately)
female inserts, No. (1-108) and (109-216)
male inserts, No. (1-108) and (109-216)

part No.

CDDF 108
CDDM 108

part No.

CDDF 108 N
CDDM 108 N

part No.

part No.

10A female contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

10A male contacts

0.14-0.37 mm ²	AWG 26-22	identification No. 1
0.5 mm ²	AWG 20	identification No. 2
0.75 mm ²	AWG 18	identification No. ②
1 mm ²	AWG 18	identification No. 3
1.5 mm ²	AWG 16	identification No. 4
2.5 mm ²	AWG 14	identification No. 5

CDFA 0.3
CDFA 0.5
CDFA 0.7
CDFA 1.0
CDFA 1.5
CDFA 2.5

silver plated

CDFD 0.3
CDFD 0.5
CDFD 0.7
CDFD 1.0
CDFD 1.5
CDFD 2.5

gold plated

CDMA 0.3
CDMA 0.5
CDMA 0.7
CDMA 1.0
CDMA 1.5
CDMA 2.5

CDMD 0.3
CDMD 0.5
CDMD 0.7
CDMD 1.0
CDMD 1.5
CDMD 2.5

- characteristics according to EN 61984:

10A 250V 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 °C ... +125 °C

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

- mechanical life: ≥ 500 cycles

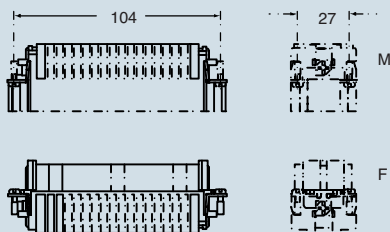
- contact resistance: $\leq 3 \text{ m}\Omega$

- for applications requiring higher voltages, please see
the special voltage application section on page 58

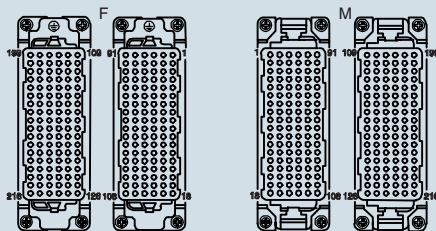
- for contact crimping instructions, please see the
crimping tool section (10A contacts, CDF and CDM
series) on pages 466, 470, 480, 482, 484, 486

- for maximum current load, see the following load
curves inserts, for more information see page 494

dimensions in mm

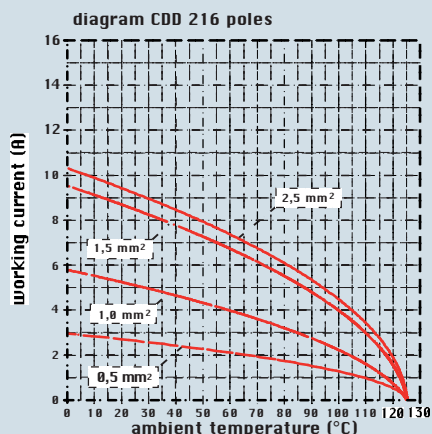
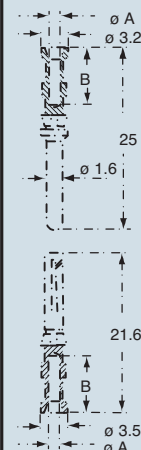


contacts side (front view)



- PCBs interface, see article CIF 2.4

dimensions in mm



dimensions shown are not binding
and may be changed without notice

CDF and CDM contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	B (mm)
0.14-0.37	0.9	8
0.5	1.1	8
0.75	1.3	8
1.0	1.45	8
1.5	1.8	8
2.5	2.2	6

When all the contacts are used, the CQE inserts series connectors may be used with voltages of up to 500V (first column) pollution degree 3, in accordance with the standard EN 61984.

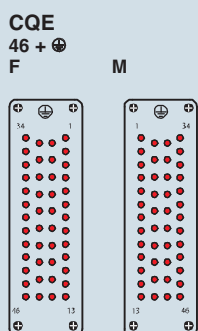
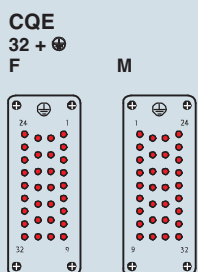
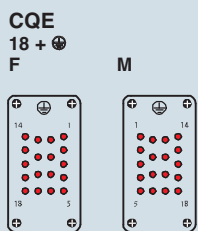
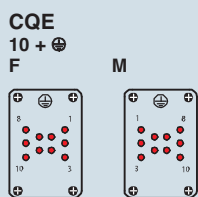
If the number of contacts is reduced and the contacts accordingly assigned, these connectors may be used with higher voltages. This is possible because the decrease in the number of contacts leads to an increase in the surface insulation distance in the air. When the contacts are arranged as shown below, the inserts may be used for voltages of 690V (second column) and 1000V (third column) pollution degree 3, in accordance with the standard EN 61984.

Legend:

- working contact
- without contact
- M = male insert
- F = female insert

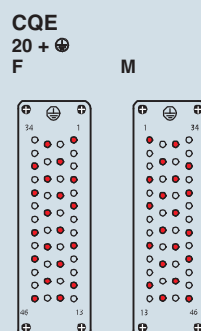
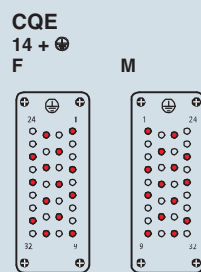
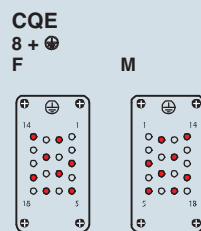
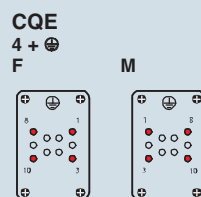
for use up to 500V
pollution degree 3

diagrams
contacts side (front view)



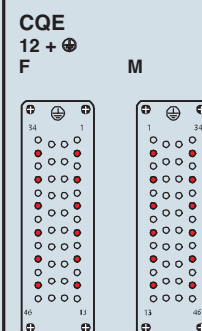
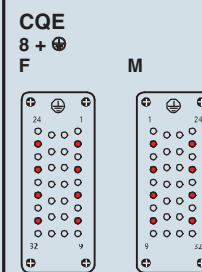
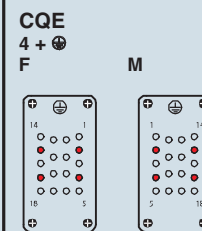
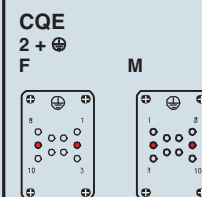
for use up to 690V
pollution degree 3

diagrams
contacts side (front view)



for use up to 1000V
pollution degree 3

diagrams
contacts side (front view)



enclosures:

size "44.27"

page:

C-TYPE IP65/IP66 218 - 221

C7 IP67 stainless steel lever 254

V-TYPE IP65/IP66
stainless steel lever 260 - 262

T-TYPE IP65 insulating 282

JEI zinc-plated steel lever 288 - 289

BIG hoods 304 - 306

aggressive environments 329

EMC 348

central lever 360 - 361

IP68 374 - 377

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

CQEF 10
CQEM 10

16A female contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male crimp contacts for advanced opening

0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three 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

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

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 500V 6kV 3

16A 830V 8kV 2

- UL, CSA, GL, GOST certified

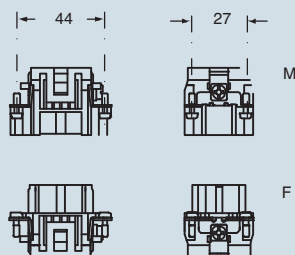
- rated voltage according to UL/CSA: 600V

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

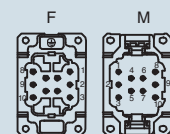
- ambient temperature limit: -40 °C ... +125 °C

- are made of self-extinguishing thermoplastic resin
UL 94 V0- mechanical life: ≥ 500 cycles- contact resistance: $\leq 1 \text{ m}\Omega$ - for maximum current load, see the following
load curves inserts, for more information see
page 495

dimensions in mm



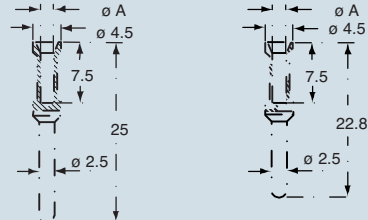
contacts side (front view)



dimensions in mm

CCF and CCM

CC...AN

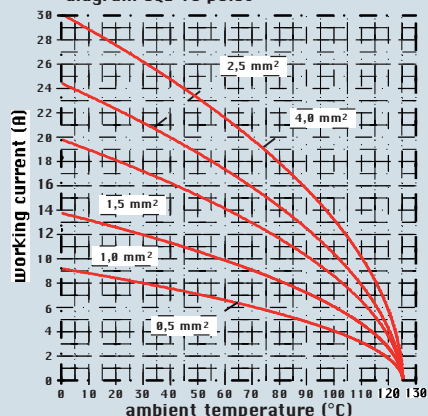


CCF, CCM and CC...AN contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	(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

diagram CQE 10 poles



dimensions shown are not binding and may be changed without notice

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

CQEF 18

CQEM 18

16A female contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male crimp contacts for advanced opening

0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three 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

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

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 500V 6kV 3

16A 830V 8kV 2

- UL, CSA, GL, GOST certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: -40 °C ... +125 °C

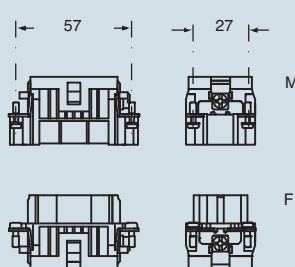
- are made of self-extinguishing thermoplastic resin
UL 94 V0

- mechanical life: ≥ 500 cycles

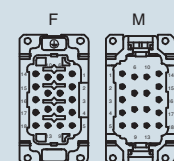
- contact resistance: $\leq 1 \text{ m}\Omega$

- for maximum current load, see the following
load curves inserts, for more information see
page 495

dimensions in mm

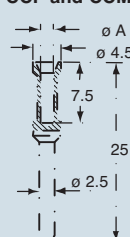


contacts side (front view)

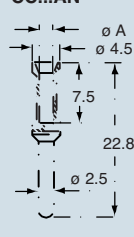


dimensions in mm

CCF and CCM

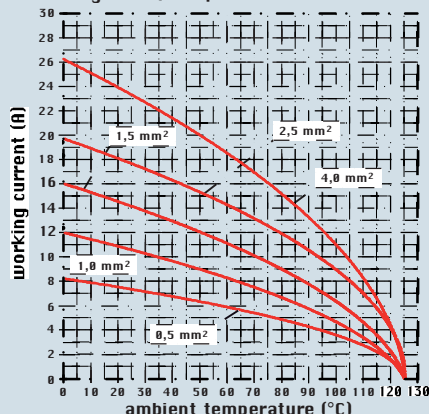


CC...AN



CCF, CCM and CC...AN contacts			
conductor section	conductor slot	conductors stripping length	
mm ²	ø A (mm)	(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	

diagram CQE 18 poles



dimensions shown are not binding and may be changed without notice

- 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

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.

without contacts (to be ordered separately)

female inserts for female contacts

male inserts for male contacts

CQEF 32

CQEM 32

16A female contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male crimp contacts for advanced opening

0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three 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

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

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 500V 6kV 3

16A 830V 8kV 2

- UL, CSA, GL, GOST certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: -40 °C ... +125 °C

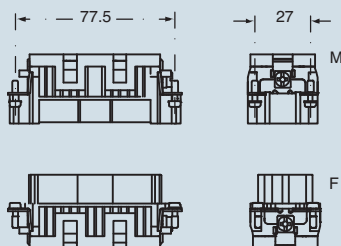
- are made of self-extinguishing thermoplastic resin
UL 94 V0

- mechanical life: ≥ 500 cycles

- contact resistance: $\leq 1 \text{ m}\Omega$

- for maximum current load, see the following
load curves inserts, for more information see
page 495

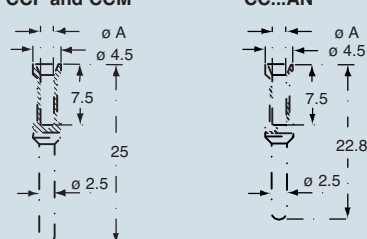
dimensions in mm



dimensions in mm

CCF and CCM

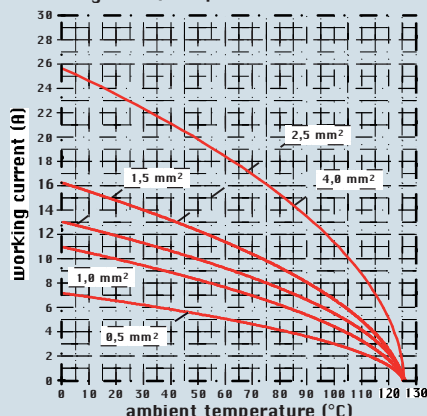
CC...AN



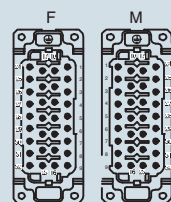
CCF, CCM and CC...AN contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	(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

diagram CQE 32 poles



contacts side (front view)



dimensions shown are not binding and may be changed without notice

- 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

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:

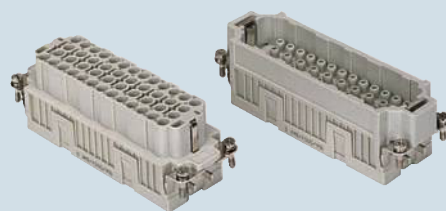
page:

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

CQEF 46

CQEM 46

16A female contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male crimp contacts for advanced opening

0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three 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

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

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 500V 6kV 3
16A 830V 8kV 2

- UL, CSA, GL, GOST certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: -40 °C ... +125 °C

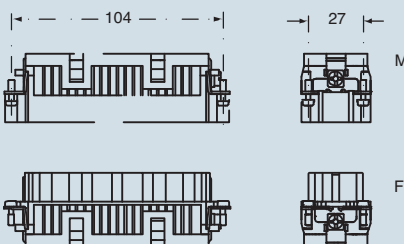
- are made of self-extinguishing thermoplastic resin
UL 94 V0

- mechanical life: ≥ 500 cycles

- contact resistance: $\leq 1 \text{ m}\Omega$

- for maximum current load, see the following
load curves inserts, for more information see
page 495

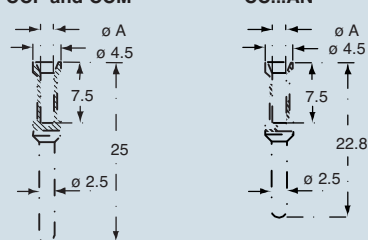
dimensions in mm



dimensions in mm

CCF and CCM

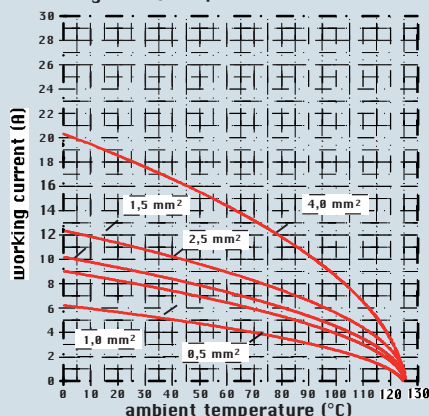
CC...AN



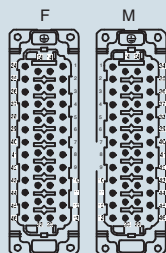
CCF, CCM and CC...AN contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	(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

diagram CQE 46 poles



contacts side (front view)



- 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

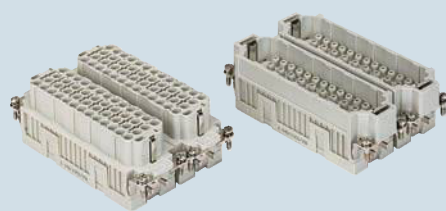
enclosures:
size "104.62"

page:

C-TYPE IP65/IP66 248
aggressive environments 334

inserts, crimp connections

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

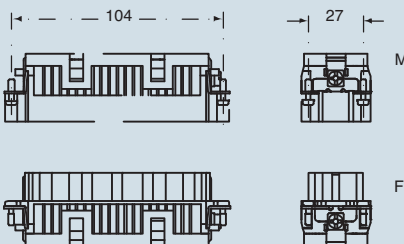


- for contact crimping instructions, please see the crimping tool section (16A contacts, CCF, CCM and CC...AN series) on pages 466, 470, 480, 482, 484, 486

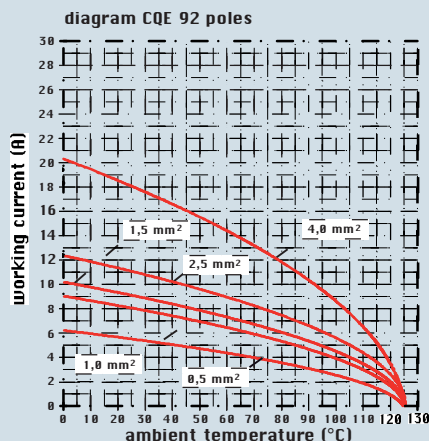
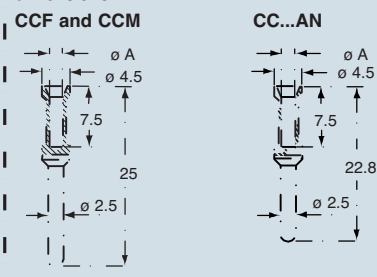
description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately)				
female inserts, No. (1-46) and (47-92)	CQEF 46	CQEF 46 N		
male inserts, No. (1-46) and (47-92)	CQEM 46	CQEM 46 N		
16A female contacts				
0.14-0.37 mm ² AWG 26-22 three grooves			CCFA 0.3	CCFD 0.3
0.5 mm ² AWG 20 with no grooves			CCFA 0.5	CCFD 0.5
0.75 mm ² AWG 18 one groove (back side)			CCFA 0.7	CCFD 0.7
1 mm ² AWG 18 one groove			CCFA 1.0	CCFD 1.0
1.5 mm ² AWG 16 two grooves			CCFA 1.5	CCFD 1.5
2.5 mm ² AWG 14 three grooves			CCFA 2.5	CCFD 2.5
3 mm ² AWG 12 one wide groove			CCFA 3.0	CCFD 3.0
4 mm ² AWG 12 with no grooves			CCFA 4.0	CCFD 4.0
16A male contacts				
0.14-0.37 mm ² AWG 26-22 three grooves			CCMA 0.3	CCMD 0.3
0.5 mm ² AWG 20 with no grooves			CCMA 0.5	CCMD 0.5
0.75 mm ² AWG 18 one groove (back side)			CCMA 0.7	CCMD 0.7
1 mm ² AWG 18 one groove			CCMA 1.0	CCMD 1.0
1.5 mm ² AWG 16 two grooves			CCMA 1.5	CCMD 1.5
2.5 mm ² AWG 14 three grooves			CCMA 2.5	CCMD 2.5
3 mm ² AWG 12 one wide groove			CCMA 3.0	CCMD 3.0
4 mm ² AWG 12 with no grooves			CCMA 4.0	CCMD 4.0
16A male crimp contacts for advanced opening				
0.5 mm ² AWG 20 with no grooves			CC 0.5 AN	
0.75 mm ² AWG 18 one groove (back side)			CC 0.7 AN	
1 mm ² AWG 18 one groove			CC 1.0 AN	
1.5 mm ² AWG 16 two grooves			CC 1.5 AN	
2.5 mm ² AWG 14 three grooves			CC 2.5 AN	

- characteristics according to EN 61984:
16A 500V 6kV 3
16A 830V 8kV 2
- UL, CSA, GL, GOST certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 1 \text{ m}\Omega$
- for maximum current load, see the following load curves inserts, for more information see page 495

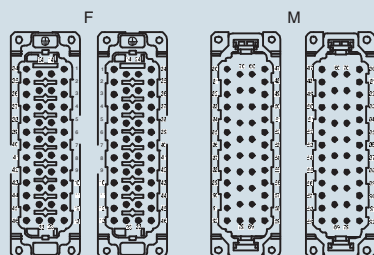
dimensions in mm



dimensions in mm



contacts side (front view)



CCF, CCM and CC...AN contacts

conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	(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

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 *

* refer to catalogue page CN.12

inserts, crimp connections



**AVAILABLE
3rd QUARTER 2013**

**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

CQEEF 40

CQEEM 40

16A female contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male contacts

0.14-0.37 mm ²	AWG 26-22	three grooves
0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three grooves
3 mm ²	AWG 12	one wide groove
4 mm ²	AWG 12	with no grooves

16A male crimp contacts for advanced opening

0.5 mm ²	AWG 20	with no grooves
0.75 mm ²	AWG 18	one groove (back side)
1 mm ²	AWG 18	one groove
1.5 mm ²	AWG 16	two grooves
2.5 mm ²	AWG 14	three 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

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

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 500V 6kV 3

- 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

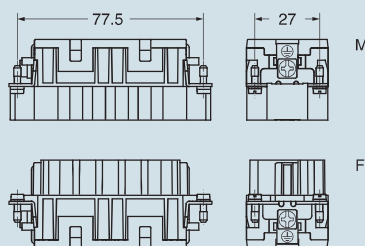
- mechanical life: ≥ 500 cycles

- contact resistance: $\leq 1 \text{ m}\Omega$

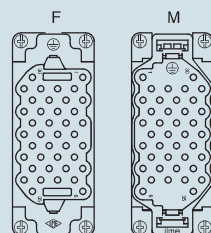
coding pins CR CPQ, see page 431 catalogue CN.12



dimensions in mm

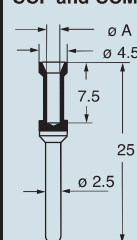


contacts side (front view)

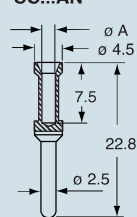


dimensions in mm

CCF and CCM



CC...AN



CCF, CCM and CC...AN contacts		
conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	(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 catalogue CN.12

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 *

page:

COB 410 - 411 *

* refer to catalogue page CN.12

inserts, crimp connections

NEW

**AVAILABLE
3rd QUARTER 2013**

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



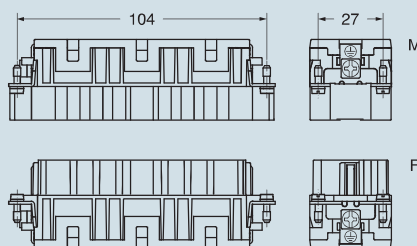
description	part No.	part No.	part No.
without contacts (to be ordered separately) female inserts for female contacts male inserts for male contacts	CQEEF 64 CQEEM 64		
16A female contacts 0.14-0.37 mm² AWG 26-22 three grooves 0.5 mm² AWG 20 with no grooves 0.75 mm² AWG 18 one groove (back side) 1 mm² 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	

- characteristics according to EN 61984:
16A 500V 6kV 3
- 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: $\leq 1 \text{ m}\Omega$

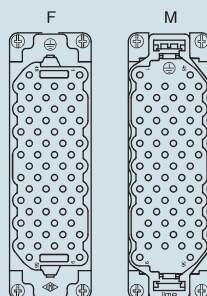
coding pins CR CPQ, see page 431 catalogue CN.12



dimensions in mm

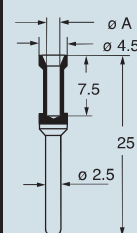


contacts side (front view)

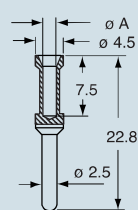


dimensions in mm

CCF and CCM



CC...AN



CCF, CCM and CC..AN contacts



conductor section	conductor slot	conductors stripping length
mm ²	ø A (mm)	(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 catalogue CN.12