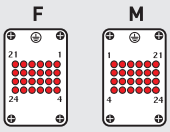
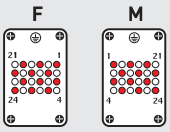
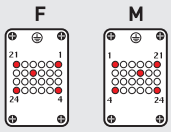
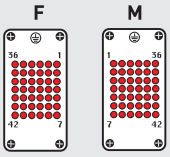
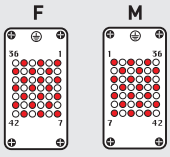
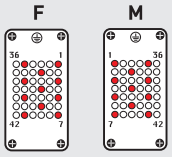
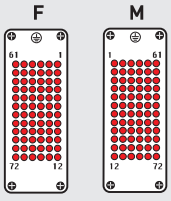
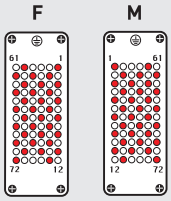
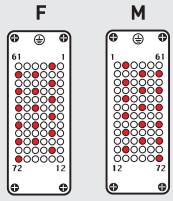
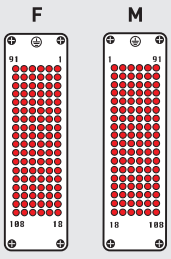
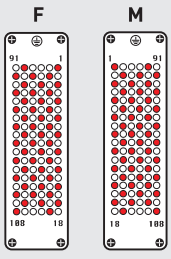
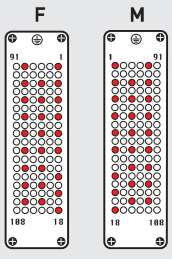
Special voltages for CDD series

When all the contacts are used, CDD series connector inserts may be used with voltage up to 250V (first column); pollution degree 2, in accordance with the standard EN 61984.
If the number of contacts is reduced and the contacts assigned accordingly, these connectors may be used with higher voltages. This is possible because the decrease in the number of contacts leads to an increase in clearences (insulating distance in air) and creepage distances (insulating distances along the surface).
When the contacts are arranged as shown below, the inserts may be used at rated voltages of 400V (second column) and 500V (third column); pollution degree 2, in accordance with the standard EN 61984.

for use up to 250V pollution degree 2 diagrams contacts side (front view)	for use up to 400V pollution degree 2 diagrams contacts side (front view)	for use up to 500V pollution degree 2 diagrams contacts side (front view)
CDD 24 - 24 + ⏚	**CDD 24 - 12 +** ⏚	**CDD 24 - 5 +** ⏚
		
CDD 42 - 42 + ⏚	**CDD 42 - 21 +** ⏚	**CDD 42 - 11 +** ⏚
		
CDD 72 - 72 + ⏚	**CDD 72 - 34 +** ⏚	**CDD 72 - 17 +** ⏚
		
CDD 108 - 108 + ⏚	**CDD 108 - 52 +** ⏚	**CDD 108 - 26 +** ⏚
		

Legend:

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

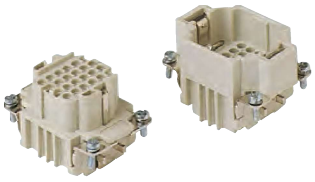
CDD 24 poles + ⏚ 10A - 250V

enclosures: size “44.27”	page:
C-TYPE IP65 or IP66/IP69	387 - 392
C7 IP67, single lever	436 - 437
V-TYPE IP65 or IP66/IP69, single lever	444 - 447
BIG hoods	466 - 467
T-TYPE IP65 insulating	480 - 481
T-TYPE / W IP66/IP69 insulating	489
HYGIENIC T-TYPE / H IP66/IP69	501
HYGIENIC T-TYPE / C IP66/IP69, -50 °C	506
W-TYPE for aggressive environments	521
E-Xtreme® corrosion proof	530 - 531, 542, 550 - 551
EMC	578
Central lever	603 - 605
LS-TYPE	618 - 619
IP68	632 - 635

panel supports:	page:
COB	652 - 653

PCBs interface, see article CIF 2.4 on page 670

inserts, crimp connections



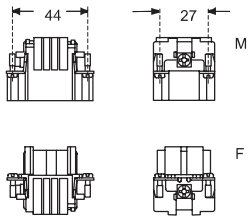
10A crimp contacts silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts	**CDDF 24**		
male inserts for male contacts	**CDDM 24**		
10A female contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3		**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDFA 2.5**	**CDFD 2.5**
10A male contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3		**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDMA 2.5**	**CDMD 2.5**

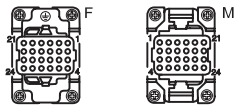
silver plated

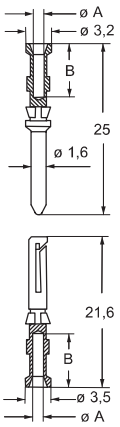
gold plated÷

- characteristics according to EN 61984:
  10A 250V 4kV 2
- cULus (UL for USA and Canada), SP, CQC, DNV·GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

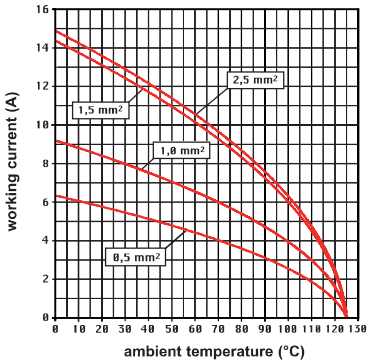




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 24 poles connector inserts
Maximum current load derating diagram

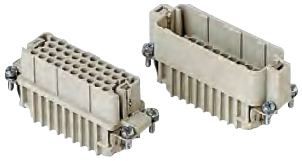


CR CP coding pin with loss of one contact (page 689)

÷ for basic or high thickness gold plating, please refer to page 674

CDD 38 poles + ⏚ 10A - 250V

inserts, crimp connections



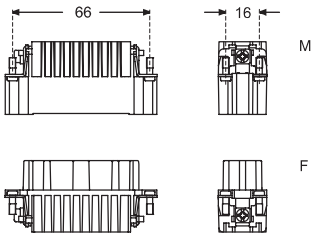
10A crimp contacts silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts	**CDDF 38**		
male inserts for male contacts	**CDDM 38**		
10A female contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3		**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDFA 2.5**	**CDFD 2.5**
10A male contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3		**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDMA 2.5**	**CDMD 2.5**

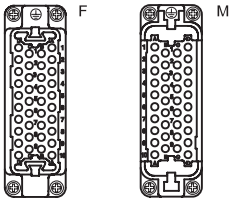
silver plated

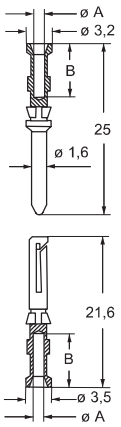
gold plated✢

- characteristics according to EN 61984:
  10A 250V 4kV 2
- cULus (UL for USA and Canada), CSA, CQC, DNV-GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

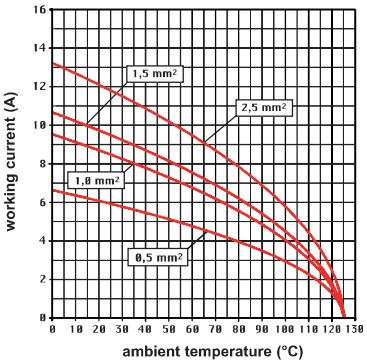




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 38 poles connector inserts
Maximum current load derating diagram



CR CP coding pin with loss of one contact (page 689)

✢ for basic or high thickness gold plating, please refer to page 674

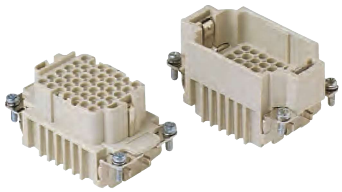
CDD 42 poles + ⏚ 10A - 250V

enclosures:
size "57.27"

panel supports: **page:**

PCBs interface, see article CIF 2.4 on page 670

inserts, crimp connections



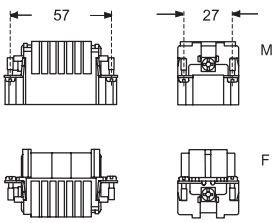
10A crimp contacts
silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts	**CDDF 42**		
male inserts for male contacts	**CDDM 42**		
10A female contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3		**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDFA 2.5**	**CDFD 2.5**
10A male contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3		**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDMA 2.5**	**CDMD 2.5**

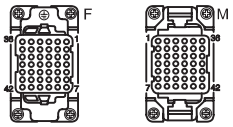
silver plated

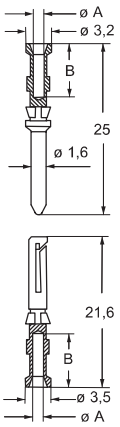
gold plated÷

- characteristics according to EN 61984:
  10A 250V 4kV 2
- c UL us (UL for USA and Canada), CSA, CQC, DNV·GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

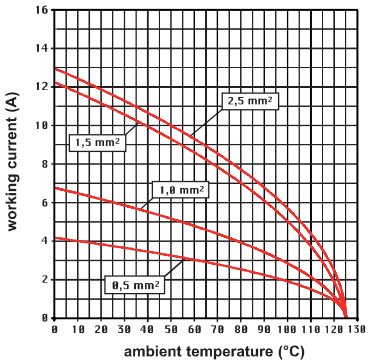




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 42 poles connector inserts
Maximum current load derating diagram



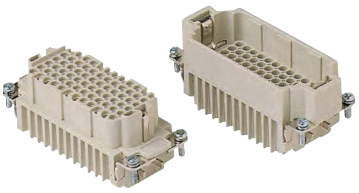
CR CP coding pin
with loss of one contact
(page 689)

÷ for basic or high thickness gold plating, please refer to page 674

CDD 72 poles + ⏚ 10A - 250V

PCBs interface, see article CIF 2.4 on page 670

inserts, crimp connections



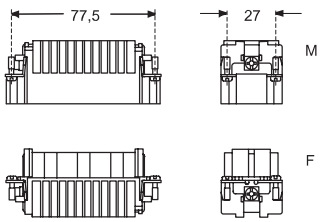
10A crimp contacts silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts	**CDDF 72**		
male inserts for male contacts	**CDDM 72**		
10A female contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3		**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDFA 2.5**	**CDFD 2.5**
10A male contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3		**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDMA 2.5**	**CDMD 2.5**

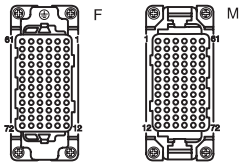
silver plated

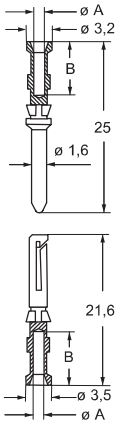
gold plated+

- characteristics according to EN 61984:
  10A 250V 4kV 2
- c UL us (UL for USA and Canada), CSA, CQC, DNV·GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

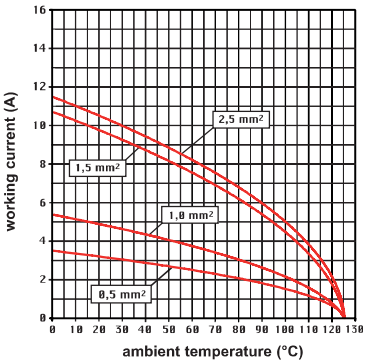




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 72 poles connector inserts
Maximum current load derating diagram



CR CP coding pin with loss of one contact (page 689)

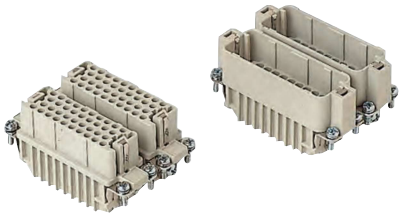
+ for basic or high thickness gold plating, please refer to page 674

CDD 76 poles + ⏚ 10A - 250V

enclosures:
size "66.40" **page:**

C-TYPE IP65 or IP66/IP69 **431 - 434**
W-TYPE for aggressive environments **527**

inserts, crimp connections

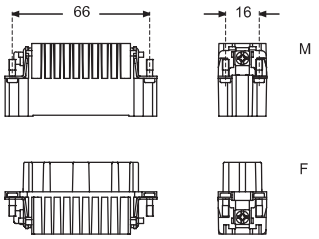


10A crimp contacts
silver and gold plated

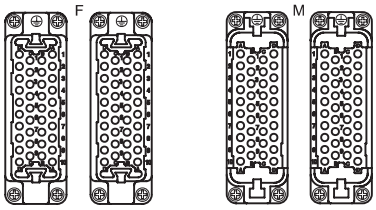
description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately)				
female inserts	**CDDF 38**	**CDDF 38**		
male inserts	**CDDM 38**	**CDDM 38**		
10A female contacts				
0,14-0,37 mm² AWG 26-22 identification No. 1			**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2			**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②			**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3			**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4			**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5			**CDFA 2.5**	**CDFD 2.5**
10A male contacts				
0,14-0,37 mm² AWG 26-22 identification No. 1			**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2			**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②			**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3			**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4			**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5			**CDMA 2.5**	**CDMD 2.5**

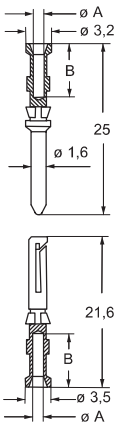
silver plated | **gold plated✣**

- characteristics according to EN 61984:
  10A 250V 4kV 2
- cULus (UL for USA and Canada), SP, CQC, DNV·GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

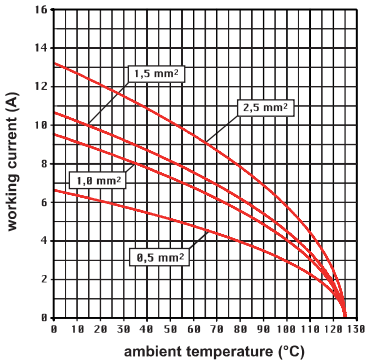




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 76 poles connector inserts
Maximum current load derating diagram



CR CP coding pin
with loss of one contact
(page 689)

✣ for basic or high thickness gold plating, please refer to page 674

CDD 108 poles + ⏚ 10A - 250V

enclosures:
size "104.27" **page:**

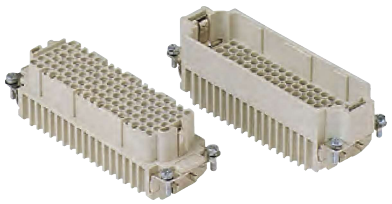
C-TYPE IP65 or IP66/IP69	**412 - 423**
C7 IP67, two levers	**441 - 442**
V-TYPE IP65 or IP66/IP69, single lever	**459 - 463**
BIG hoods	**472 - 473**
T-TYPE IP65 insulating	**486 - 487**
T-TYPE / W IP66/IP69 insulating	**492**
HYGIENIC T-TYPE / H IP66/IP69	**504**
HYGIENIC T-TYPE / C IP66/IP69, -50 °C	**509**
W-TYPE for aggressive environments	**524**
E-Xtreme® corrosion proof	**536 - 537, 545, 556 - 557**
EMC	**581**
Central lever	**612 - 614**
LS-TYPE	**624 - 625**
IP68	**644 - 647**

panel supports: **page:**

COB	**652 - 653**

PCBs interface, see article CIF 2.4 on page 670

inserts, crimp connections



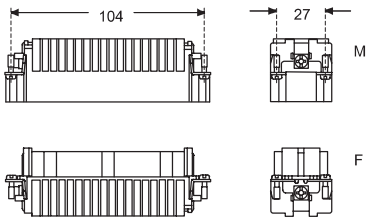
10A crimp contacts
silver and gold plated

description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts	**CDDF 108**		
male inserts for male contacts	**CDDM 108**		
10A female contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3		**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDFA 2.5**	**CDFD 2.5**
10A male contacts			
0,14-0,37 mm² AWG 26-22 identification No. 1		**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2		**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②		**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3		**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4		**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5		**CDMA 2.5**	**CDMD 2.5**

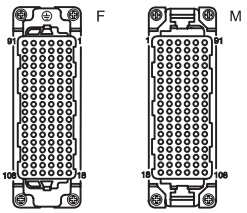
silver plated

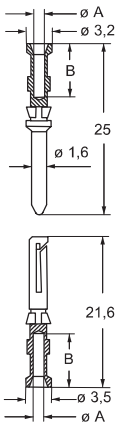
gold plated+

- characteristics according to EN 61984:
  10A 250V 4kV 2
- cULus (UL for USA and Canada), CSA, CQC, DNV-GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

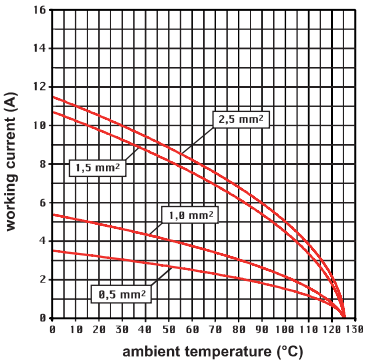




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 108 poles connector inserts
Maximum current load derating diagram



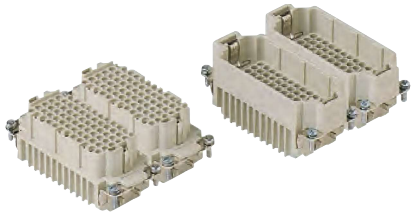
CR CP coding pin
with loss of one contact
(page 689)

+ for basic or high thickness gold plating, please refer to page 674

CDD 144 poles + ⏚ 10A - 250V

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

inserts, crimp connections



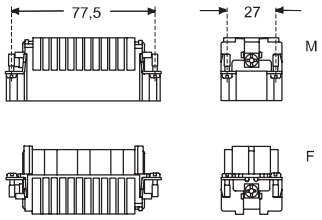
10A crimp contacts
silver and gold plated

PCBs interface, see article CIF 2.4 on page 670

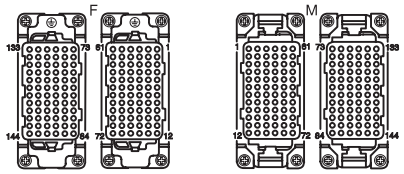
description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately)				
female inserts, No. (1-72) and (73-144)	**CDDF 72**	**CDDF 72 N**		
male inserts, No. (1-72) and (73-144)	**CDDM 72**	**CDDM 72 N**		
10A female contacts				
0,14-0,37 mm² AWG 26-22 identification No. 1			**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2			**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②			**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3			**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4			**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5			**CDFA 2.5**	**CDFD 2.5**
10A male contacts				
0,14-0,37 mm² AWG 26-22 identification No. 1			**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2			**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②			**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3			**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4			**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5			**CDMA 2.5**	**CDMD 2.5**

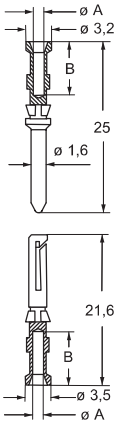
silver plated **gold plated÷**

- characteristics according to EN 61984:
  10A 250V 4kV 2
- cULus (UL for USA and Canada), SP, CQC, DNV-GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

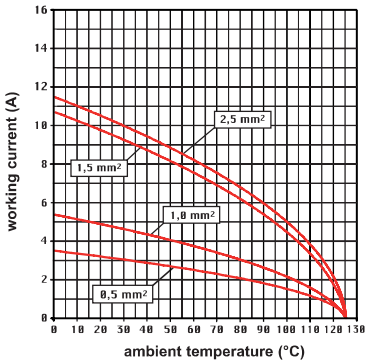




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 144 poles connector inserts
Maximum current load derating diagram

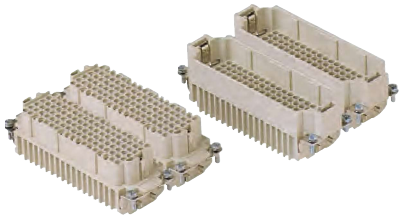


CR CP coding pin
with loss of one contact
(page 689)

÷ for basic or high thickness gold plating, please refer to page 674

CDD 216 poles + ⏚ 10A - 250V

inserts, crimp connections



10A crimp contacts silver and gold plated

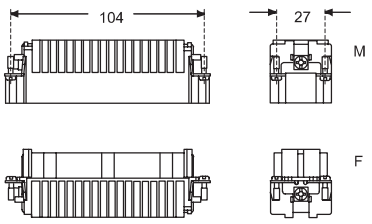
PCBs interface, see article CIF 2.4 on page 670

description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately)				
female inserts, No. (1-108) and (109-216)	**CDDF 108**	**CDDF 108 N**		
male inserts, No. (1-108) and (109-216)	**CDDM 108**	**CDDM 108 N**		
10A female contacts				
0,14-0,37 mm² AWG 26-22 identification No. 1			**CDFA 0.3**	**CDFD 0.3**
0,5 mm² AWG 20 identification No. 2			**CDFA 0.5**	**CDFD 0.5**
0,75 mm² AWG 18 identification No. ②			**CDFA 0.7**	**CDFD 0.7**
1 mm² AWG 18 identification No. 3			**CDFA 1.0**	**CDFD 1.0**
1,5 mm² AWG 16 identification No. 4			**CDFA 1.5**	**CDFD 1.5**
2,5 mm² AWG 14 identification No. 5			**CDFA 2.5**	**CDFD 2.5**
10A male contacts				
0,14-0,37 mm² AWG 26-22 identification No. 1			**CDMA 0.3**	**CDMD 0.3**
0,5 mm² AWG 20 identification No. 2			**CDMA 0.5**	**CDMD 0.5**
0,75 mm² AWG 18 identification No. ②			**CDMA 0.7**	**CDMD 0.7**
1 mm² AWG 18 identification No. 3			**CDMA 1.0**	**CDMD 1.0**
1,5 mm² AWG 16 identification No. 4			**CDMA 1.5**	**CDMD 1.5**
2,5 mm² AWG 14 identification No. 5			**CDMA 2.5**	**CDMD 2.5**

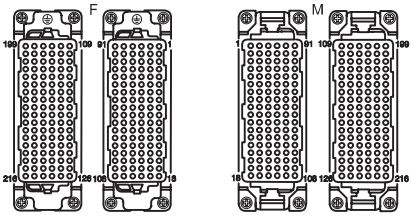
silver plated

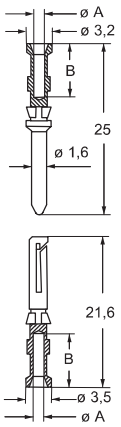
gold plated✢

- characteristics according to EN 61984:
  10A 250V 4kV 2
- c UL us (UL for USA and Canada), SP, CQC, DNV·GL, BUREAU VERITAS, EAC certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the special voltage application section on page 75
- **it is recommended to crimp the contacts with crimping tools homologated by ILME** (please see the crimping tool section 10A contacts, CDF and CDM series on pages 708 - 741)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)

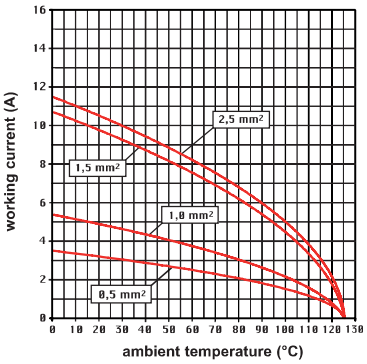




CDF and CDM contacts

conductor section mm²	conductor slot ø A (mm)	conductors stripping length 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

CDD 216 poles connector inserts
Maximum current load derating diagram



CR CP coding pin with loss of one contact (page 689)

✢ for basic or high thickness gold plating, please refer to page 674