

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 clearances (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.

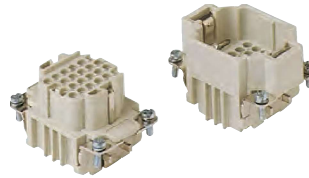
for use up to 250V pollution degree 2	for use up to 400V pollution degree 2	for use up to 500V pollution degree 2
diagrams contacts side (front view)	diagrams contacts side (front view)	diagrams contacts side (front view)
<p>CDD 24 - 24 + ⊕</p> <p>F M</p>	<p>CDD 24 - 12 + ⊕</p> <p>F M</p>	<p>CDD 24 - 5 + ⊕</p> <p>F M</p>
<p>CDD 42 - 42 + ⊕</p> <p>F M</p>	<p>CDD 42 - 21 + ⊕</p> <p>F M</p>	<p>CDD 42 - 11 + ⊕</p> <p>F M</p>
<p>CDD 72 - 72 + ⊕</p> <p>F M</p>	<p>CDD 72 - 34 + ⊕</p> <p>F M</p>	<p>CDD 72 - 17 + ⊕</p> <p>F M</p>
<p>CDD 108 - 108 + ⊕</p> <p>F M</p>	<p>CDD 108 - 52 + ⊕</p> <p>F M</p>	<p>CDD 108 - 26 + ⊕</p> <p>F M</p>
<p>Legend:</p> <ul style="list-style-type: none"> ● working contact ○ without contact M = male insert F = female insert 		

CDD

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

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.
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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

CDF	silver plated	CDFD	gold plated+
C DFA 0.3		CDFD 0.3	
C DFA 0.5		CDFD 0.5	
C DFA 0.7		CDFD 0.7	
C DFA 1.0		CDFD 1.0	
C DFA 1.5		CDFD 1.5	
C DFA 2.5		CDFD 2.5	

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

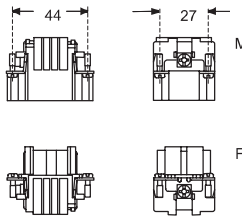
CDM	silver plated	CDMD	gold plated+
CDMA 0.3		CDMD 0.3	
CDMA 0.5		CDMD 0.5	
CDMA 0.7		CDMD 0.7	
CDMA 1.0		CDMD 1.0	
CDMA 1.5		CDMD 1.5	
CDMA 2.5		CDMD 2.5	

- characteristics according to EN 61984:

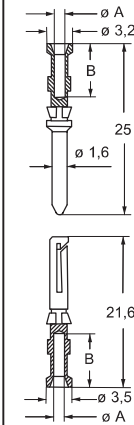
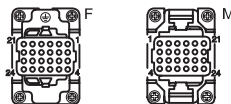
10A 250V 4kV 2

- cULus (UL for USA and Canada),
 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



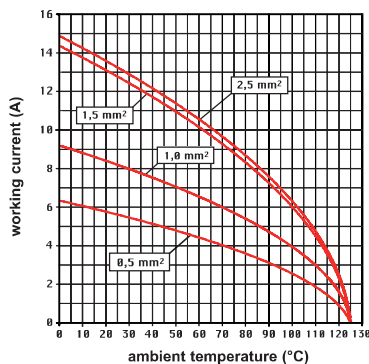
contacts side (front view)



CDF and CDM contacts

conductor section mm ²	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)

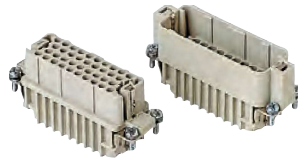


† for basic or high thickness gold plating, please refer to page 674

CDD 38 poles + ⊕ 10A - 250V

enclosures: size "66.16"	page:
IL-BRID	378 - 382
CZ7 IP67, single lever	385
W-TYPE for aggressive environments	520
E-Xtreme® corrosion proof	541
EMC	577
panel supports: COB	page: 652 - 653

inserts, crimp connections



10A crimp contacts silver and gold plated

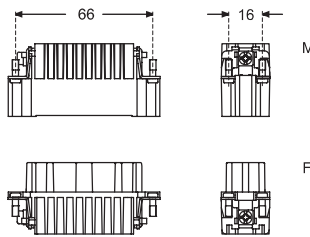


description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts	CDDF 38		
male inserts for male contacts	CDDM 38		
10A female contacts			
0,14-0,37 mm ² AWG 26-22 identification No. 1		CDFA 0.3	CDFD 0.3
0,5 mm ² AWG 20 identification No. 2		CDFA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

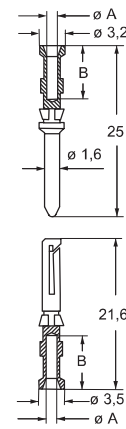
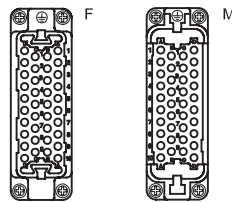
- characteristics according to EN 61984:

10A 250V 4kV 2

- cULus (UL for USA and Canada), 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



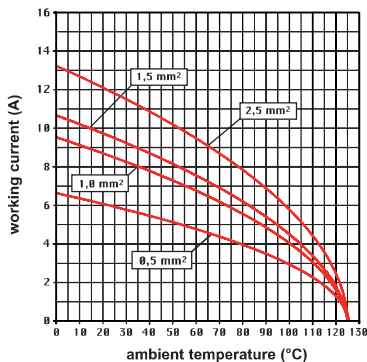
contacts side (front view)



CDF and CDM contacts

conductor section mm ²	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

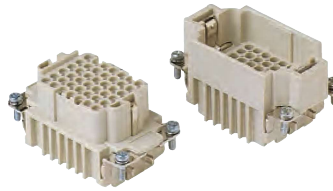
CDD 42 poles + ⊕ 10A - 250V

enclosures: size "57.27"	page:
C-TYPE IP65 or IP66/IP69	393 - 401
C7 IP67, two levers	438
V-TYPE IP65 or IP66/IP69, single lever	448 - 453
BIG hoods	468 - 469
T-TYPE IP65 insulating	482 - 483
T-TYPE / W IP66/IP69 insulating	490
HYGIENIC T-TYPE / H IP66/IP69	502
HYGIENIC T-TYPE / C IP66/IP69, -50 °C	507
W-TYPE for aggressive environments	522
E-Xtreme® corrosion proof	532 - 533, 543, 552 - 553
EMC	579
Central lever	606 - 608
LS-TYPE	620 - 621
IP68	636 - 639

panel supports: COB	page: 652 - 653
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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.
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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

C DFA 0.3	silver plated	C DFD 0.3	gold plated+
C DFA 0.5		C DFD 0.5	
C DFA 0.7		C DFD 0.7	
C DFA 1.0		C DFD 1.0	
C DFA 1.5		C DFD 1.5	
C DFA 2.5		C DFD 2.5	

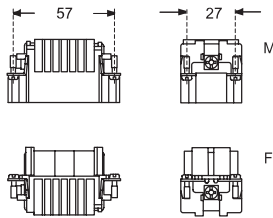
C DMA 0.3	silver plated	C DMD 0.3	gold plated+
C DMA 0.5		C DMD 0.5	
C DMA 0.7		C DMD 0.7	
C DMA 1.0		C DMD 1.0	
C DMA 1.5		C DMD 1.5	
C DMA 2.5		C DMD 2.5	

- characteristics according to EN 61984:

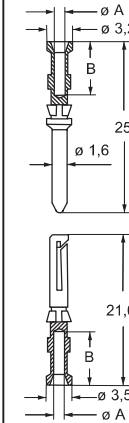
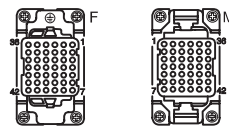
10A 250V 4kV 2

- cULus (UL for USA and Canada),
 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



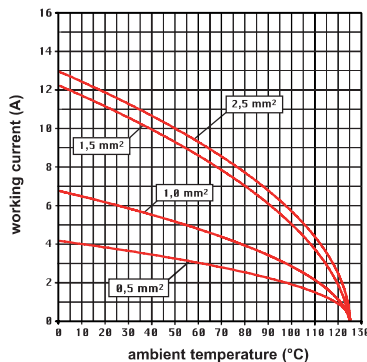
contacts side (front view)



CDF and CDM contacts

conductor section mm ²	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)

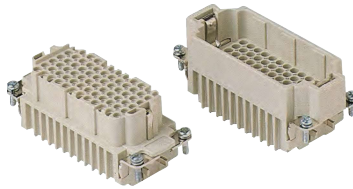


† for basic or high thickness gold plating, please refer to page 674

CDD 72 poles + ⊕ 10A - 250V

enclosures: size "77.27"	page:
C-TYPE IP65 or IP66/IP69	402 - 411
C7 IP67, two levers	439 - 440
V-TYPE IP65 or IP66/IP69, single lever	454 - 458
BIG hoods	470 - 471
T-TYPE IP65 insulating	484 - 485
T-TYPE / W IP66/IP69 insulating	491
HYGIENIC T-TYPE / H IP66/IP69	503
HYGIENIC T-TYPE / C IP66/IP69, -50 °C	508
W-TYPE for aggressive environments	523
E-Xtreme® corrosion proof	534 - 535, 544, 554 - 555
EMC	580
Central lever	609 - 611
LS-TYPE	622 - 623
IP68	640 - 643
panel supports: COB	page: 652 - 653

inserts, crimp connections



10A crimp contacts
silver and gold plated



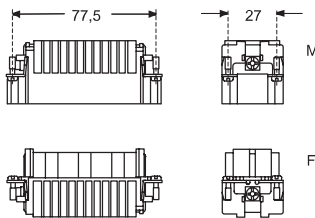
PCBs interface, see article CIF 2.4 on page 670

description	part No.	part No.	part No.
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 mm ² AWG 26-22 identification No. 1	CDFA 0.3	silver plated	CDFD 0.3
0,5 mm ² AWG 20 identification No. 2	CDFA 0.5		gold plated+
0,75 mm ² AWG 18 identification No. ②	CDFA 0.7		CDFD 0.7
1 mm ² AWG 18 identification No. 3	CDFA 1.0		CDFD 1.0
1,5 mm ² AWG 16 identification No. 4	CDFA 1.5		CDFD 1.5
2,5 mm ² AWG 14 identification No. 5	CDFA 2.5		CDFD 2.5
10A male contacts			
0,14-0,37 mm ² AWG 26-22 identification No. 1	CDMA 0.3		CDMD 0.3
0,5 mm ² AWG 20 identification No. 2	CDMA 0.5		CDMD 0.5
0,75 mm ² AWG 18 identification No. ②	CDMA 0.7		CDMD 0.7
1 mm ² AWG 18 identification No. 3	CDMA 1.0		CDMD 1.0
1,5 mm ² AWG 16 identification No. 4	CDMA 1.5		CDMD 1.5
2,5 mm ² AWG 14 identification No. 5	CDMA 2.5		CDMD 2.5

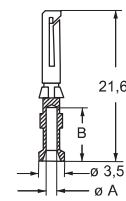
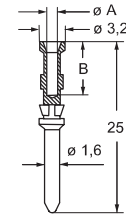
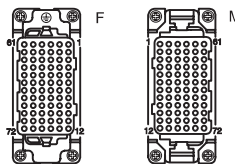
- characteristics according to EN 61984:

10A 250V 4kV 2

- cULus (UL for USA and Canada), 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



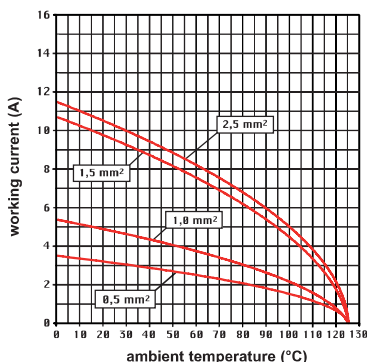
contacts side (front view)



CDF and CDM contacts

conductor section mm ²	conductor slot diameter 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

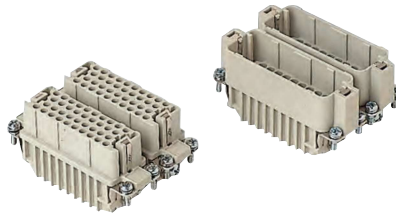
enclosures:
size "66,40"

page:

C-TYPE IP65 or IP66/IP69
W-TYPE for aggressive environments

431 - 434
527

inserts, crimp connections



10A crimp contacts silver and gold plated



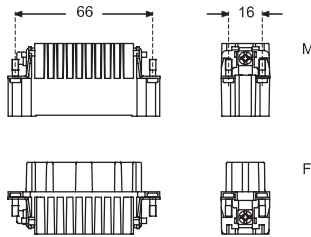
description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately)				
female inserts	CDDF 38	CDDF 38		
male inserts	CDDM 38	CDDM 38		
10A female contacts				
0,14-0,37 mm ² AWG 26-22 identification No. 1			CDFA 0.3	CDFD 0.3
0,5 mm ² AWG 20 identification No. 2			CDFA 0.5	CDFD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

- characteristics according to EN 61984:

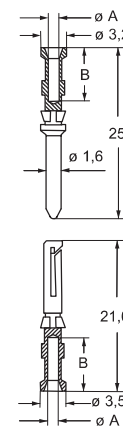
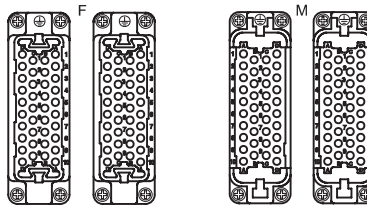
10A 250V 4kV 2

- cULus (UL for USA and Canada),
 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



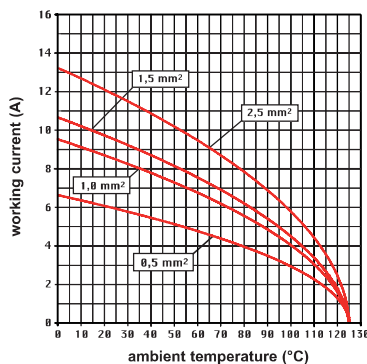
contacts side (front view)



CDF and CDM contacts

conductor section mm ²	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)

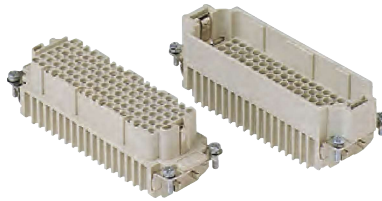


† for basic or high thickness gold plating, please refer to page 674

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: COB	page: 652 - 653

inserts, crimp connections



10A crimp contacts
silver and gold plated



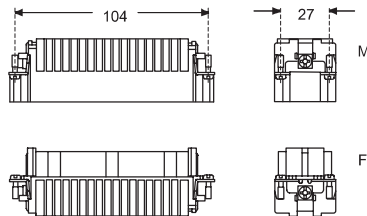
PCBs interface, see article CIF 2.4 on page 670

description	part No.	part No.	part No.
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 mm ² AWG 26-22 identification No. 1		CDFA 0.3	CDFD 0.3
0,5 mm ² AWG 20 identification No. 2		CDFA 0.5	CDFD 0.5
0,75 mm ² AWG 18 identification No. ②		CDFA 0.7	CDFD 0.7
1 mm ² AWG 18 identification No. 3		CDFA 1.0	CDFD 1.0
1,5 mm ² AWG 16 identification No. 4		CDFA 1.5	CDFD 1.5
2,5 mm ² AWG 14 identification No. 5		CDFA 2.5	CDFD 2.5
10A male contacts			
0,14-0,37 mm ² AWG 26-22 identification No. 1		CDMA 0.3	CDMD 0.3
0,5 mm ² AWG 20 identification No. 2		CDMA 0.5	CDMD 0.5
0,75 mm ² AWG 18 identification No. ②		CDMA 0.7	CDMD 0.7
1 mm ² AWG 18 identification No. 3		CDMA 1.0	CDMD 1.0
1,5 mm ² AWG 16 identification No. 4		CDMA 1.5	CDMD 1.5
2,5 mm ² AWG 14 identification No. 5		CDMA 2.5	CDMD 2.5

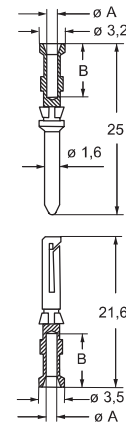
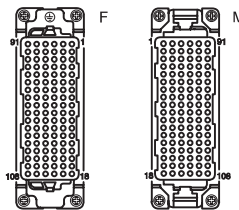
- characteristics according to EN 61984:

10A 250V 4kV 2

- cULus (UL for USA and Canada), 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



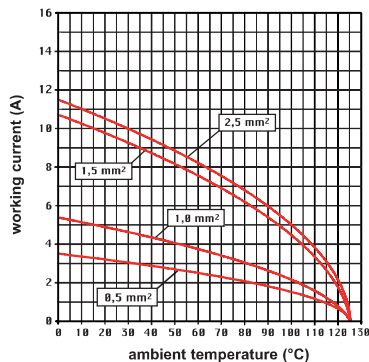
contacts side (front view)



CDF and CDM contacts

conductor section	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

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

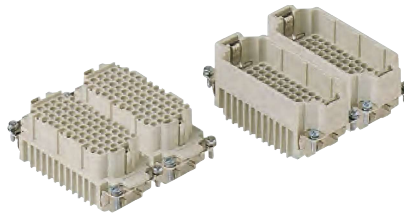
enclosures:
size "77.62"

page:

C-TYPE IP65 or IP66/IP69
W-TYPE for aggressive environments
E-Xtreme® corrosion proof

424 - 429
525
546

inserts, crimp connections



10A crimp contacts silver and gold plated



PCBs interface, see article CIF 2.4 on page 670

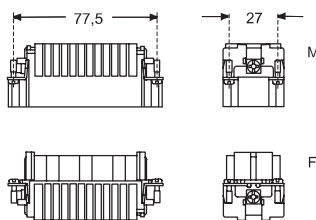
description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately)				
female inserts, No. (1-72) and (73-144)	CDDF 72	CDDF 72 N		
male inserts, No. (1-72) and (73-144)	CDDM 72	CDDM 72 N		
10A female contacts				
0,14-0,37 mm ² AWG 26-22 identification No. 1			CDFA 0.3	CDFD 0.3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

- characteristics according to EN 61984:

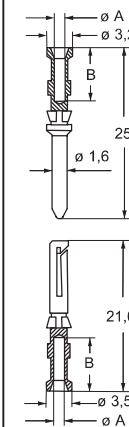
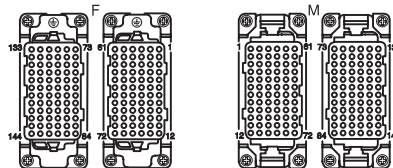
10A 250V 4kV 2

- 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



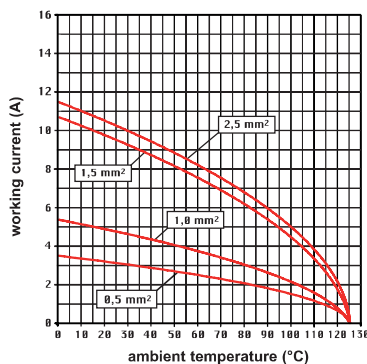
contacts side (front view)



CDF and CDM contacts

conductor section mm ²	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)

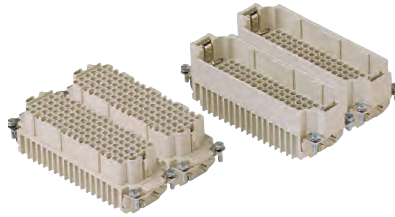


† for basic or high thickness gold plating, please refer to page 674

CDD 216 poles + ⊕ 10A - 250V

enclosures: size "104.62"	page:
C-TYPE IP65 or IP66/IP69	430
W-TYPE for aggressive environments	526
E-Xtreme® corrosion proof	547

inserts, crimp connections



10A crimp contacts silver and gold plated



PCBs interface, see article CIF 2.4 on page 670

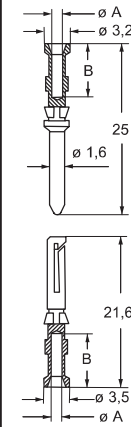
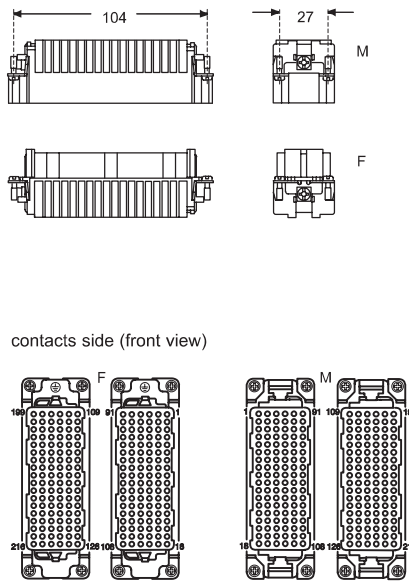
description	part No.	part No.	part No.	part No.
without contacts (to be ordered separately)				
female inserts, No. (1-108) and (109-216)	CDDF 108	CDDF 108 N		
male inserts, No. (1-108) and (109-216)	CDDM 108	CDDM 108 N		
10A female contacts				
0,14-0,37 mm ² AWG 26-22 identification No. 1			CDFA 0.3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

- characteristics according to EN 61984:

10A 250V 4kV 2

- cULus (UL for USA and Canada),

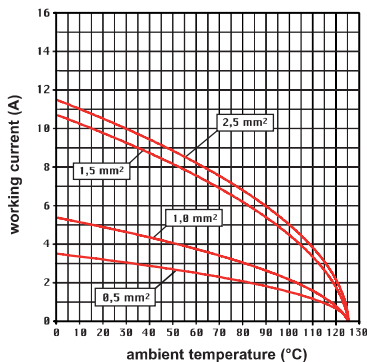
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 GΩ
- ambient temperature limit: -40 °C ... +125 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: ≤ 3 mΩ
- for applications requiring higher voltages, please see the 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



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

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