

enclosures	size “21.21”
insulating type .....	page: 153 ÷ 154
metallic type .....	page: 155 ÷ 156
aggressive environments..	page: 157
EMC .....	page: 158

- features according to EN 61984:  
**10A 250V 4kV 3**
- UL, CSA, CCC, GL certified
- for maximum current load, see the insert load curve section on page 28
- inserts and enclosures for applications with temperatures up to 180 °C, available on request
- can be mated with CKS inserts

description
distinctive colour
female inserts with female contacts <sup>1)</sup>
male inserts with male contacts

<sup>1)</sup> the female inserts can be mounted into the straight bulkhead housings CK I from the rear

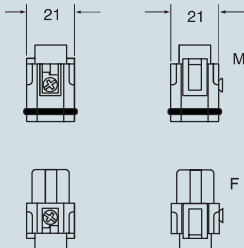
**N.B.:**  
plug inserts with new, square shaped seal for IP44 and IP66/IP67 protection rating (see “21.21” size enclosures section from page 153)

inserts, 3 poles + ⊕  
screw terminal connections



part No.	part No.
white <b>CKF 03</b> <b>CKM 03</b>	black <b>CKF 03 N</b> <b>CKM 03 N</b>

dimensions in mm



contacts side (front view)



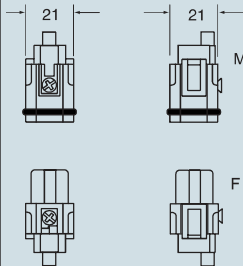
- inserts for connectors with the following sections:  
0.75 ÷ 2.5 mm<sup>2</sup> - AWG 18 ÷ 14
- torsion couple recommended for conductor fastening screws and stripping length see section feature of inserts on page 13

inserts, 4 poles + ⊕  
screw terminal connections



part No.	part No.
white <b>CKF 04</b> <b>CKM 04</b>	black <b>CKF 04 N</b> <b>CKM 04 N</b>

dimensions in mm



contacts side (front view)



- inserts for connectors with the following sections:  
0.75 ÷ 2.5 mm<sup>2</sup> - AWG 18 ÷ 14
- torsion couple recommended for conductor fastening screws and stripping length see section feature of inserts on page 13

enclosures: size “21.21”

insulating type ..... page: 153 ÷ 154

metallic type ..... page: 155 ÷ 156

aggressive environments..page: 157

EMC ..... page: 158

- features according to EN 61984:  
**10A 400V 4kV 3**
- certifications: (UL), (CSA); the certifications shown in brackets are being applied for
- for maximum current load, see the insert load curve section on page 28
- can be mated with CK inserts

inserts, 3 poles + ⊕  
connection with spring terminal



NEW

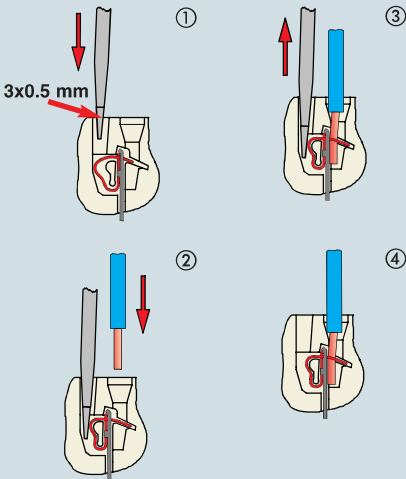
inserts, 4 poles + ⊕  
connection with spring terminal



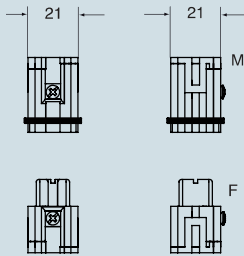
NEW

description	part No.	part No.
female inserts with female contacts male inserts with male contacts	CKSF 03 CKSM 03	
female inserts with female contacts male inserts with male contacts		CKSF 04 CKSM 04

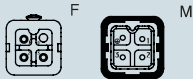
connection with spring terminal



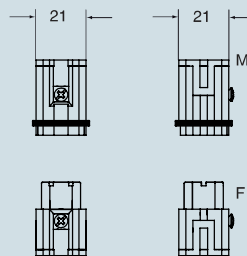
dimensions in mm



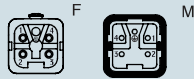
contacts side (front view)



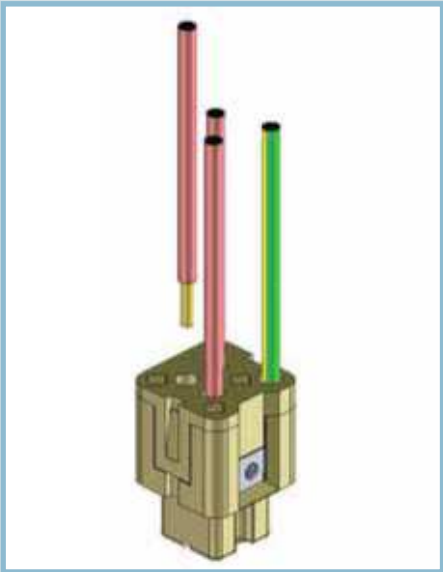
dimensions in mm



contacts side (front view)



Rear top entry of wires for a more easier wiring



dimensions indicated are not binding  
and may be changed without notice

- inserts for wires with the following sections:  
0.14 ÷ 2.5mm<sup>2</sup> - AWG 26 ÷ 14  
for prepared wires  
usable section: up to 1.5 mm<sup>2</sup> (AWG 16)
- stripping length see section feature of inserts  
on page 13

- inserts for wires with the following sections:  
0.14 ÷ 2.5mm<sup>2</sup> - AWG 26 ÷ 14  
for prepared wires  
usable section: up to 1.5 mm<sup>2</sup> (AWG 16)
- stripping length see section feature of inserts  
on page 13

If all the contacts are used, the CD inserts series connectors may be used with voltages of up to 250V (first column) pollution degree 3 in accordance with the standard EN 61984.

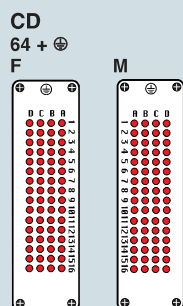
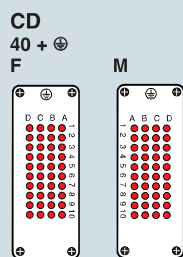
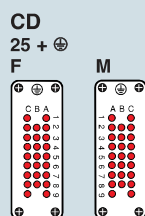
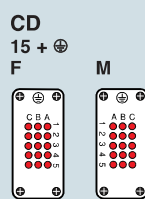
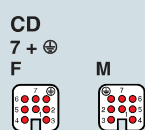
If the number of contacts is reduced and the contacts accordingly assigned, these connectors may be used with higher voltages. This is possible because the decrease in the number of contacts leads to an increase in the surface distance in the air. When the contacts are arranged as shown below, the inserts may be used for voltages of 500V (second column) pollution degree 3 in accordance with the standard EN 61984.

**Legend:**

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

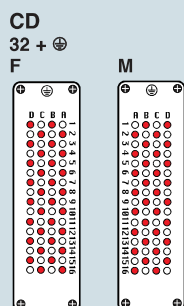
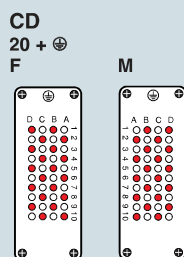
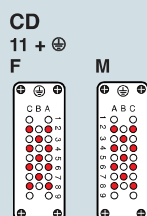
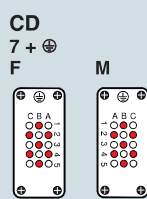
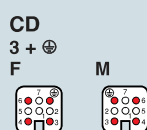
for use up to 250V  
pollution degree 3

diagrams  
contacts side (front view)



for use up to 500V  
pollution degree 3

diagrams  
contacts side (front view)



enclosures

size "21.21"

insulating type ..... page: 153 ÷ 154

- features according to EN 61984:

**10A 250V 4kV 3**

- UL, CSA, CCC, GL certified

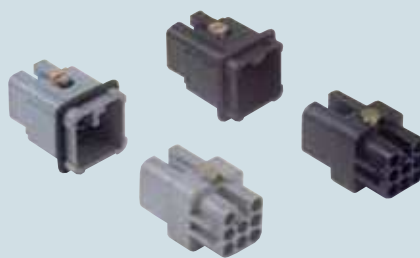
- for maximum current load, see the insert load curve section on page 29

- for applications requiring higher voltages, please see the special voltage application section on page 38

- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 296, 300, 304, 306, 308

- coding pin with loss of a contact CR CP

## 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 for female contacts, grey and black<sup>1)</sup>  
male inserts for male contacts, grey and black

grey  
**CDF 07**  
**CDM 07**

black  
**CDF 07 N**  
**CDM 07 N**

## 10A female contacts

0.14÷0.37 mm <sup>2</sup>	AWG 26÷22	identification No. 1
0.5 mm <sup>2</sup>	AWG 20	identification No. 2
0.75 mm <sup>2</sup>	AWG 18	identification No. ②
1 mm <sup>2</sup>	AWG 18	identification No. 3
1.5 mm <sup>2</sup>	AWG 16	identification No. 4
2.5 mm <sup>2</sup>	AWG 14	identification No. 5

## 10A male contacts

0.14÷0.37 mm <sup>2</sup>	AWG 26÷22	identification No. 1
0.5 mm <sup>2</sup>	AWG 20	identification No. 2
0.75 mm <sup>2</sup>	AWG 18	identification No. ②
1 mm <sup>2</sup>	AWG 18	identification No. 3
1.5 mm <sup>2</sup>	AWG 16	identification No. 4
2.5 mm <sup>2</sup>	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**

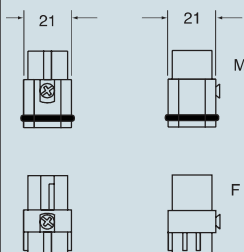
gold plated

**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**

<sup>1)</sup> the female inserts can be mounted into the straight bulkhead housings CK I from the rear

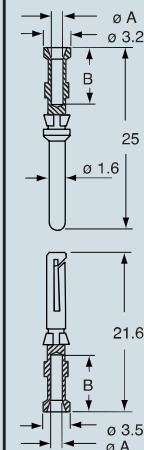
## dimensions in mm



## contacts side (front view)



## dimensions in mm



## CDF and CDM contacts

conductor section mm <sup>2</sup>	conductor slot 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

- stripping length see section feature of inserts on page 13

dimensions indicated are not binding  
and may be changed without notice

enclosures

size "21.21"

insulating type ..... page: 153 ÷ 154  
 metallic type ..... page: 155 ÷ 156  
 aggressive environments page: 157  
 EMC ..... page: 158

- features according to EN 61984:

**10A 50V 0,8kV 3**

- UL, CSA, CCC, GL certified
- for maximum current load, see the insert load curve section on page 29
- for contact crimping instructions, please see the crimping tool section (10A contacts, CDF and CDM series) on pages 296, 300, 304, 306, 308
- coding pin with loss of a contact CR CP

## 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 <sup>1)</sup>  
 male inserts for male contacts

**CDF 08**  
**CDM 08**

### 10A female contacts

0.14÷0.37 mm <sup>2</sup>	AWG 26÷22	identification No. 1
0.5 mm <sup>2</sup>	AWG 20	identification No. 2
0.75 mm <sup>2</sup>	AWG 18	identification No. ②
1 mm <sup>2</sup>	AWG 18	identification No. 3
1.5 mm <sup>2</sup>	AWG 16	identification No. 4
2.5 mm <sup>2</sup>	AWG 14	identification No. 5

### 10A male contacts

0.14÷0.37 mm <sup>2</sup>	AWG 26÷22	identification No. 1
0.5 mm <sup>2</sup>	AWG 20	identification No. 2
0.75 mm <sup>2</sup>	AWG 18	identification No. ②
1 mm <sup>2</sup>	AWG 18	identification No. 3
1.5 mm <sup>2</sup>	AWG 16	identification No. 4
2.5 mm <sup>2</sup>	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**

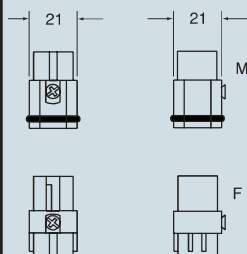
**gold plated**

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

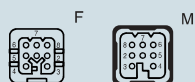
**CDMD 0.3**  
**CDMD 0.5**  
**CDMD 0.7**  
**CDMD 1.0**  
**CDMD 1.5**  
**CDMD 2.5**

<sup>1)</sup> the female inserts can be mounted into the straight bulkhead housings CK I from the rear

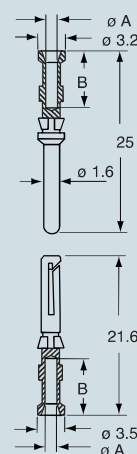
## dimensions in mm



## contacts side (front view)



## dimensions in mm



### N.B.:

plug inserts with new, square shaped seal for IP44 and IP66/IP67 protection rating (see "21.21" size enclosures section from page 153)

## CDF and CDM contacts

conductor section mm <sup>2</sup>	conductor slot 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

- stripping length see section feature of inserts on page 13

dimensions indicated are not binding and may be changed without notice