

Inserts

CK 3 and 4 poles + ⊕ 10A - 230/400V

enclosures:
size "21.21"

page:

Insulating type	339 - 348
Metallic type	349 - 363
W-TYPE for aggressive environments	512 - 518
E-Xtreme® corrosion proof	538 - 539
EMC	564 - 572
IP68	628 - 631

- can be mated with CKSH inserts

inserts, 3 poles + ⊕
screw terminal connections



Q SILVER PLATED CONTACTS

inserts, 4 poles + ⊕
screw terminal connections



Q SILVER PLATED CONTACTS

description	part No.	part No.	part No.	part No.
distinctive colour	white	black		
female inserts with female contacts ¹⁾	CKF 03	CKF 03 N		
male inserts with male contacts	CKM 03	CKM 03 N		
distinctive colour			white	black
female inserts with female contacts ¹⁾			CKF 04	CKF 04 N
male inserts with male contacts			CKM 04	CKM 04 N

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

- characteristics according to EN 61984:

10A 230/400V 4kV 3
10A 400/690V 4kV 2

- certified

- rated voltage according to UL/CSA: 600V

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

- ambient temperature limit: $-40^\circ\text{C} \dots +100^\circ\text{C}$

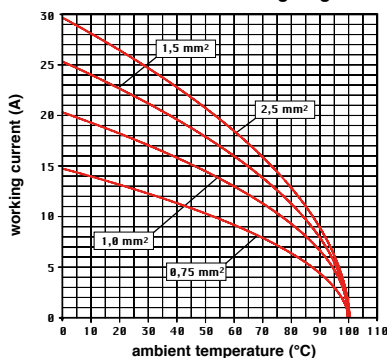
- made of self-extinguishing thermoplastic resin UL 94V-1

- mechanical life: ≥ 500 cycles

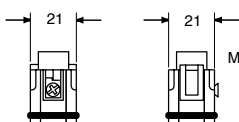
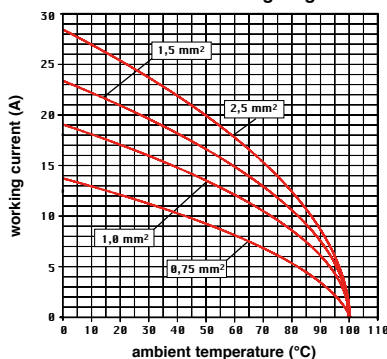
- contact resistance: $\leq 2 \text{ m}\Omega$

- for max. current load see the connector inserts derating diagrams below; for more information see page 28

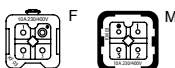
CK 03 poles connector inserts
Maximum current load derating diagram



CK 04 poles connector inserts
Maximum current load derating diagram

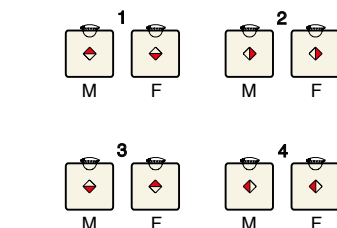


contacts side (front view)

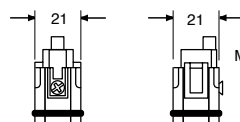


- inserts for wires with the following cross-sectional areas:
0,75 - 2,5 mm² - AWG 18 - 14
- conductor stripping length: 6 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more information see page 20 and 21

CR K03
coding pins
(page 688)



M = male insert
F = female insert

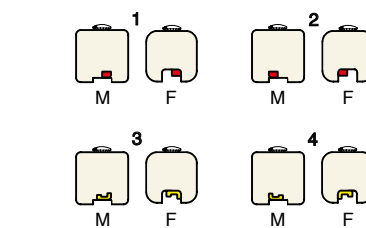


contacts side (front view)



- inserts for wires with the following cross-sectional areas:
0,75 - 2,5 mm² - AWG 18 - 14
- conductor stripping length: 6 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more information see page 20 and 21

CR K04R
and CR K04G coding
pins (page 688)



M = male insert
F = female insert

enclosures:
size "21.21"

page:

Insulating type	339 - 348
Metallic type	349 - 363
W-TYPE for aggressive environments	512 - 518
E-Xtreme® corrosion proof	538 - 539
EMC	564 - 572
IP68	628 - 631

inserts, 3 poles + ⊕
screw terminal connections



Q GOLD PLATED CONTACTS

inserts, 4 poles + ⊕
screw terminal connections



Q GOLD PLATED CONTACTS

description

part No.

part No.

female inserts with female contacts ¹⁾
male inserts with male contacts

CKFD 03
CKMD 03

female inserts with female contacts ¹⁾
male inserts with male contacts

CKFD 04
CKMD 04

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

- characteristics according to EN 61984:

10A 230/400V 4kV 3
10A 400/690V 4kV 2

- certified

- rated voltage according to UL/CSA: 600V

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

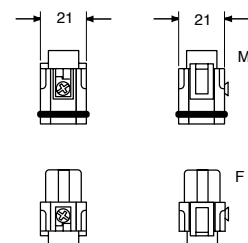
- ambient temperature limit: $-40^\circ\text{C} \dots +100^\circ\text{C}$

- made of self-extinguishing thermoplastic resin UL 94V-1

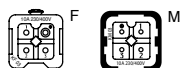
- mechanical life: ≥ 500 cycles

- contact resistance: $\leq 2 \text{ m}\Omega$

- for max. current load see the connector inserts derating diagrams below; for more information see page 28

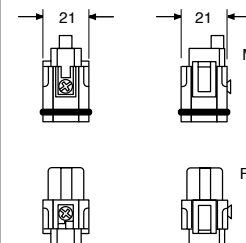


contacts side (front view)

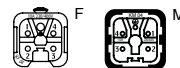


- inserts for wires with the following cross-sectional areas:
0,75 - 2,5 mm² - AWG 18 - 14
- conductor stripping length: 6 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more information see page 20 and 21

CR K03
coding pins
(page 688)



contacts side (front view)

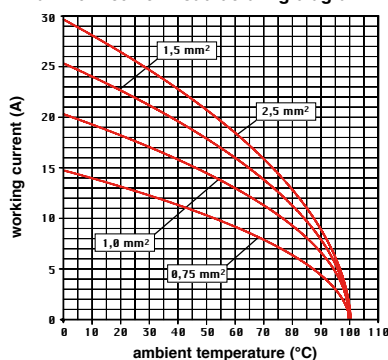


- inserts for wires with the following cross-sectional areas:
0,75 - 2,5 mm² - AWG 18 - 14
- conductor stripping length: 6 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more information see page 20 and 21

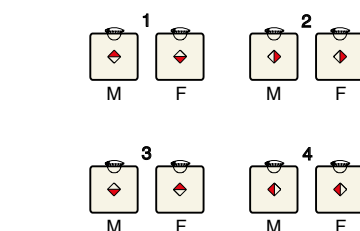
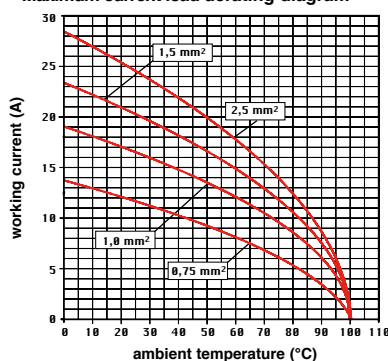
CR K04R
and CR K04G coding
pins (page 688)



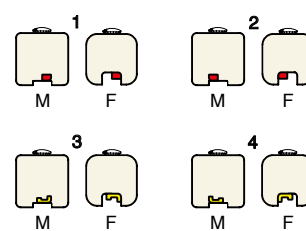
CKD 03 poles connector inserts
Maximum current load derating diagram



CKD 04 poles connector inserts
Maximum current load derating diagram



M = male insert
F = female insert



M = male insert
F = female insert

CK...RY 3 and 4 poles + ⊕ 10A - 230/400V

enclosures:
size "21.21"

page:

For 180 °C

583 - 586

inserts, 3 poles + ⊕
screw terminal connections



✍ 180 °C

Q SILVER PLATED CONTACTS

inserts, 4 poles + ⊕
screw terminal connections



✍ 180 °C

Q SILVER PLATED CONTACTS

description

part No.

part No.

use at temperatures up to 180 °C
female inserts with female contacts ¹⁾, brown
male inserts with male contacts, brown

CKF 03 RY
CKM 03 RY

use at temperatures up to 180 °C
female inserts with female contacts ¹⁾, brown
male inserts with male contacts, brown

CKF 04 RY
CKM 04 RY

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

- characteristics according to EN 61984:

10A 230/400V 4kV 3
10A 400/690V 4kV 2

- certified

- rated voltage according to UL/CSA: 600V

- insulation resistance: ≥ 10 GΩ

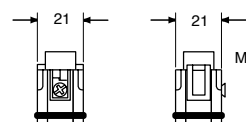
- ambient temperature limit: -40 °C ... +180 °C

- made of self-extinguishing thermoplastic resin UL 94V-0

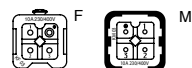
- mechanical life: ≥ 500 cycles

- contact resistance: ≤ 2 mΩ

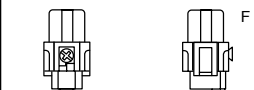
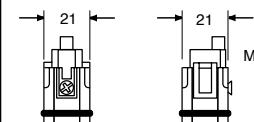
- for max. current load see the connector inserts derating
diagrams below; for more information see page 28



contacts side (front view)



- inserts for wires with the following cross-sectional
areas:
0,75 - 2,5 mm² - AWG 18 - 14
- conductor stripping length: 6 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more
information see page 20 and 21

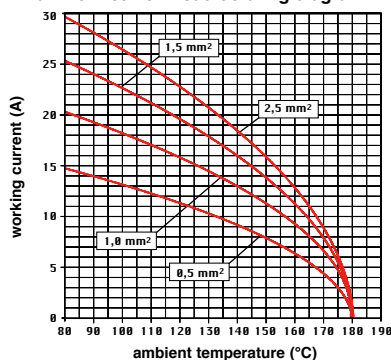


contacts side (front view)

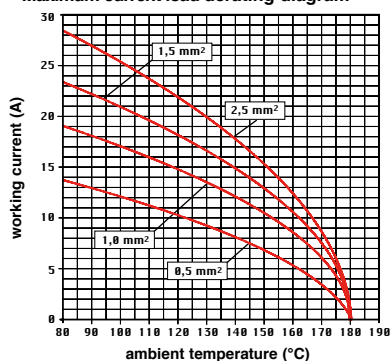


- inserts for wires with the following cross-sectional
areas:
0,75 - 2,5 mm² - AWG 18 - 14
- conductor stripping length: 6 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in), for more
information see page 20 and 21

CK...RY 03 poles connector inserts
Maximum current load derating diagram



CK...RY 04 poles connector inserts
Maximum current load derating diagram



CKSH-SQUICH® 3 and 4 poles + ⊕ 10A - 400V

enclosures:
size "21.21"

page:

Insulating type
Metallic type
W-TYPE for aggressive environments
E-Xtreme® corrosion proof
EMC
IP68

339 - 348
349 - 363
512 - 518
538 - 539
564 - 572
628 - 631

- can be mated with CK inserts

inserts, 3 poles + ⊕
spring terminal connection without tools



inserts, 4 poles + ⊕
spring terminal connection without tools



description

part No.

part No.

female inserts with female contacts
male inserts with male contacts

CKSHF 03
CKSHM 03

female inserts with female contacts
male inserts with male contacts

CKSHF 04
CKSHM 04

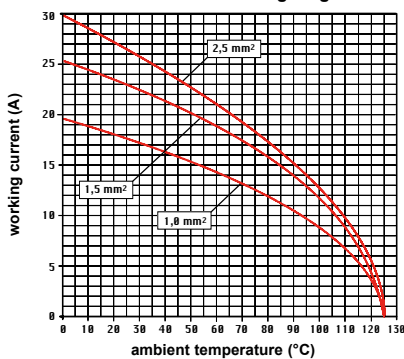
- characteristics according to EN 61984:

10A 400V 4kV 3
10A 690V 4kV 2

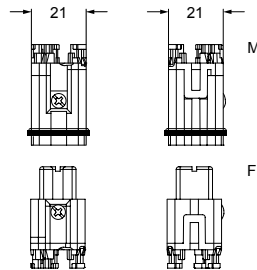
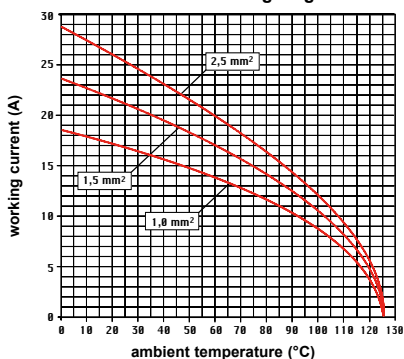
- cULus (UL for USA and Canada), DNV-GL, VERITAS
EAC certified

- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limits: $-40^\circ\text{C} \dots +125^\circ\text{C}$
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 3 \text{ m}\Omega$
- for max. current load see the connector inserts derating diagrams below; for more information see page 28

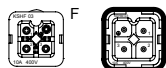
CKSH 03 poles connector inserts
Maximum current load derating diagram



CKSH 04 poles connector inserts
Maximum current load derating diagram



contacts side (front view)

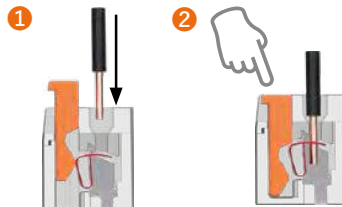


- inserts for wires with the following cross-sectional areas: 0,14 - 2,5 mm² - AWG 26 - 14 for prepared wires useable section: up to 1,5 mm² (AWG 16)
- conductor stripping length: 9...11 mm

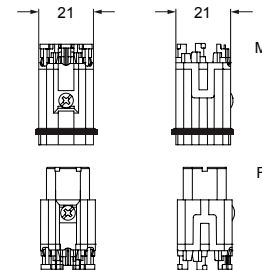
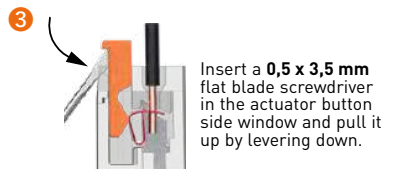
CR K03
coding pins
(page 688)



SQUICH®-spring connection technology
WIRING



RE-OPENING



contacts side (front view)



- inserts for wires with the following cross-sectional areas: 0,14 - 2,5 mm² - AWG 26 - 14 for prepared wires useable section: up to 1,5 mm² (AWG 16)
- conductor stripping length: 9...11 mm

CR K04R
and CR K04G coding
pins (page 688)



Rear top entry of wires for an easier wiring

