

enclosures:
size "77.27"

page:

For 180 °C

588

inserts,
screw terminal connection



⚡ RATING 830V

🌡️ 180 °C

Q SILVER PLATED CONTACTS

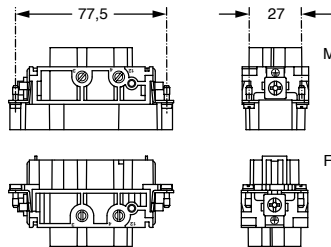
description

part No.

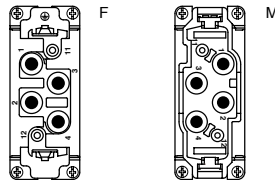
use in temperatures up to 180 °C
female inserts with female contacts, brown
male inserts with male contacts, brown

CXF 4/0 RY
CXM 4/0 RY

- characteristics according to EN 61984:
80A 830V 8kV 3
- certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: -40 °C ... +180 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance: $\leq 0,3 \text{ m}\Omega$
- for max. current load see the connector inserts derating diagram below; for more information see page 28



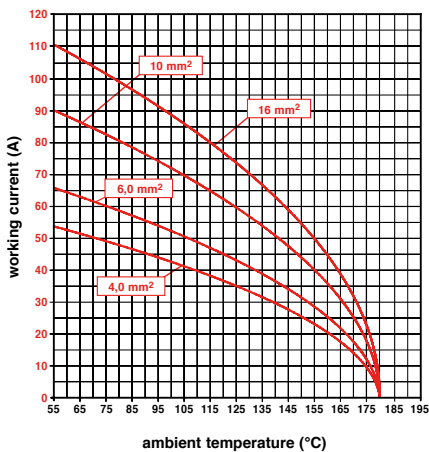
contacts side (front view)



80A contacts

- without plate for section conductors: 4-16 mm² - AWG 12-6
- conductors stripping length: 14 mm
- terminal screw torque: 2,5 Nm (22.1 lb.in), for more information see page 20 and 21

CX...RY 4/0 poles connector inserts
Maximum current load derating diagram



CX...RY 4/0



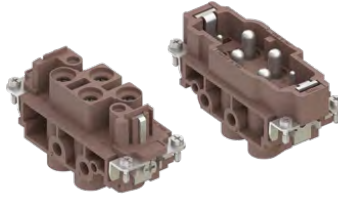
enclosures:
size "77.27"

page:

For 180 °C

588

inserts,
screw terminal connection



✍ RATING 830V
🌡 180 °C
Q SILVER PLATED CONTACTS

description

part No.

use in temperatures up to 180 °C
female inserts with female contacts, brown
male inserts with male contacts, brown

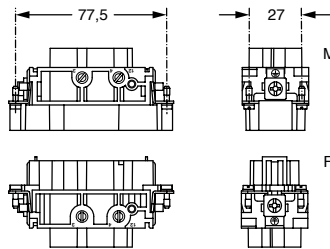
CXF 4/2 RY
CXM 4/2 RY

- characteristics according to EN 61984:

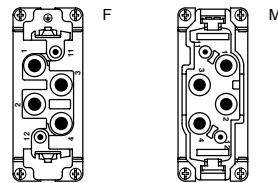
80A 830V 8kV 3
16A 400V 6kV 3
16A 400/690V 6kV 2

- certified

- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10 \text{ G}\Omega$
- ambient temperature limit: -40 °C ... +180 °C
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance:
 $\leq 0,3 \text{ m}\Omega$ (4 poles)
 $\leq 1 \text{ m}\Omega$ (2 poles)
- for max. current load see the connector inserts derating diagram below; for more information see page 28



contacts side (front view)



NOTE

Any cross-sectional area on the signal side higher than that combined to the relevant cross-sectional area on the power side may be used, but with the derating curve for the cross-sectional area given as combined to that on the power side.

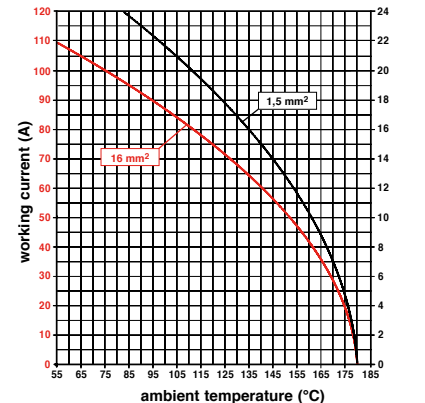
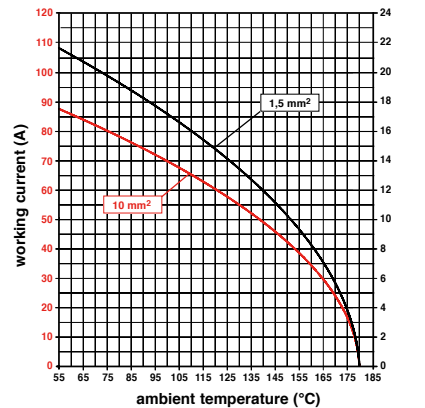
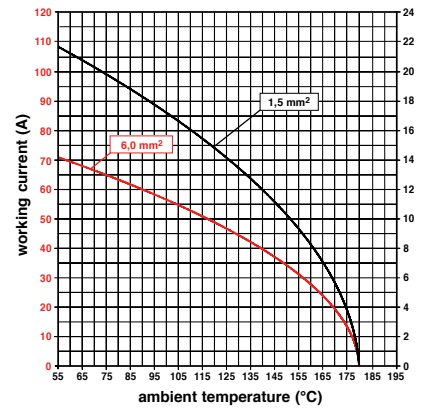
80A contacts

- without plate for section conductors:
4 - 16 mm² - AWG 12 - 6
- conductors stripping length: 14 mm
- terminal screw torque: 2,5 Nm (22.1 lb.in),
for more information see page 20 and 21

16A contacts

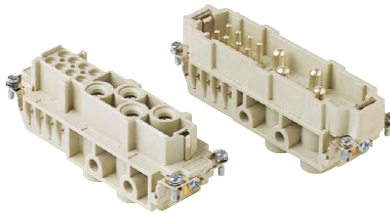
- without plate for section conductors:
0,25 - 2,5 mm² - AWG 24 - 14
- conductors stripping length: 7 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in),
for more information see page 20 and 21

CX..RY 4/2 poles connector inserts
Maximum current load derating diagram



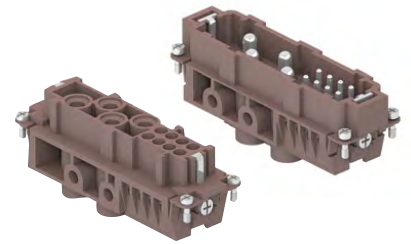
enclosures: size "104.27"	page:
CX 4/8:	
C-TYPE IP65/IP66	412 - 423
C7 IP67, two levers	441 - 442
V-TYPE IP65/IP66, single lever	459 - 463
BIG hoods	472 - 473
T-TYPE IP65 insulating	486 - 487
T-TYPE / W IP66/IP69 insulating	492
HYGIENIC T-TYPE / H IP66/IP69	504
HYGIENIC T-TYPE / C IP66/IP69, -50 °C	509
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	652 - 653
CX 4/8 RY: For 180 °C	589

inserts,
screw terminal connection



Q SILVER PLATED CONTACTS

inserts,
screw terminal connection



180 °C

Q SILVER PLATED CONTACTS

description	part No.	part No
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female inserts with female contacts
male inserts with male contacts

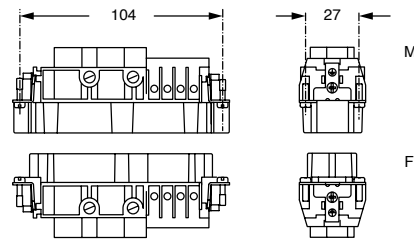
CXF 4/8
CXM 4/8

use in temperatures up to 180 °C
female inserts with female contacts
male inserts with male contacts

CXF 4/8 RY
CXM 4/8 RY

- characteristics according to EN 61984:
80A 400V 6kV 3
80A 400/690V 6kV 2
16A 230/400V 4kV 3
16A 400V 4kV 2
- certified
- rated voltage according to UL/CSA: 600V
- insulation resistance: ≥ 10 G Ω
- ambient temperature limit: -40 °C ... +125 °C (CX)
- ambient temperature limit: -40 °C ... +180 °C (CX...RY)
- made of self-extinguishing thermoplastic resin UL 94V-0
- mechanical life: ≥ 500 cycles
- contact resistance:
 $\leq 0,3$ m Ω (4 poles)
 ≤ 1 m Ω (8 poles)
- for max. current load see the connector inserts derating diagrams below; for more information see page 28

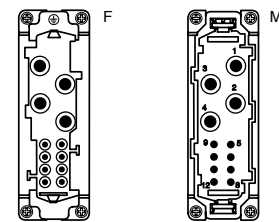
CX - CX..RY



80A contacts

- without plate for section conductors:
4 - 16 mm² - AWG 12 - 6
- conductors stripping length: 14 mm
- terminal screw torque: 2,5 Nm (22.1 lb.in),
for more information see page 20 and 21

contacts side (front view)



16A contacts

- with plate for section conductors:
0,75 - 2,5 mm² - AWG 18 - 14
- conductors stripping length: 7 mm
- terminal screw torque: 0,5 Nm (4.4 lb.in),
for more information see page 20 and 21

The derating curves for the connector's **power** (red) and **signal** (black) portions provided in the diagram are valid for the following combinations of cross-sectional area on the power side and on the signal side:

- power 4 mm² with signal 1 mm²;
- power 6 mm² with signal 1 mm²;
- power 10 mm² or 6 mm² with signal 1,5 mm²;
- power 16 mm² with signal 2,5 mm²;

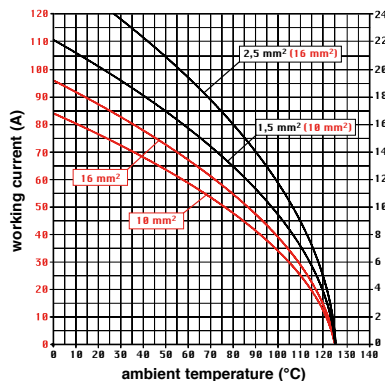
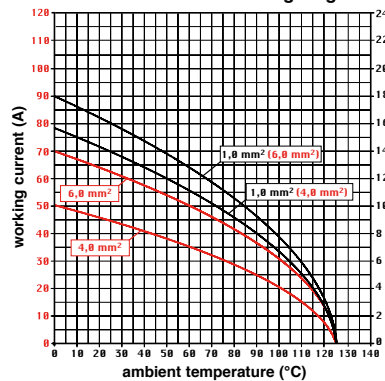
NOTE 1

Any cross-sectional area on the signal side higher than that combined to the relevant cross-sectional area on the power side may be used, but with the derating curve for the cross-sectional area given as combined to that on the power side;

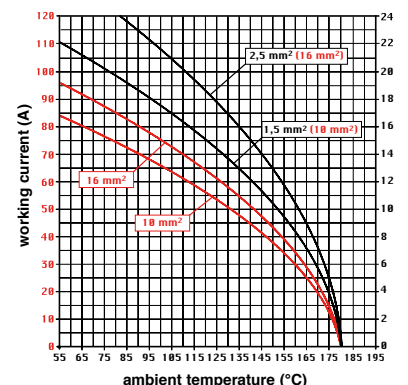
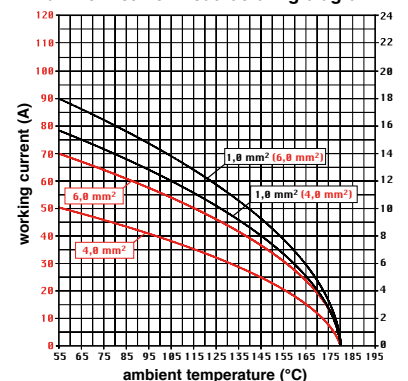
NOTE 2

Any cross-sectional area on the signal side lower than that combined to the relevant cross-sectional area on the power side (e.g. 1 mm² signal with 16 mm² power) may be used at the current indicated for the signal cross-sectional area belonging to the closest lower cross-sectional area on the power side (i.e. the 1 mm² curve combined to the 6 mm² power section)

CX 4/8 poles connector inserts
Maximum current load derating diagrams



CX..RY 4/8 poles connector inserts
Maximum current load derating diagram



CX - CX...RY 4/8