



Part number
CXF 4/2



Brief description:

female insert, 4 poles (80A, 830V) + 2 poles (16A, 400V) + PE, screw terminal connection, size "77.27", CLASS inserts

Product description	
Model	female insert
Version	screw terminal connection
Series	CX
Product type	with female contacts
Family	Insert
Size	size "77.27"
N. of poles	4 poles + 
Auxiliary poles	2 poles (16 A, 400 V, 6 kV, 3)
Technical data	
Current	80 A
Voltage	830 V
Rated impulse withstand voltage	8 kV
Pollution degree	3
Wire cross-section	4,00 mm ² - 16,00 mm ²
AWG size	12 - 6
Operating temperature range (min, max)	-40 °C ... +125 °C
Contact material	silver plated
Mating cycles	≥ 500
IP degree of protection	IP20 without enclosure, IP65/IP66/IP68/IP69 with enclosure
Further technical details	
Characteristics according to EN 61984	80A 830V 8kV 3; 16A 400V 6kV 3; 16A 400/690V 6kV 2
Insulation resistance	≥ 10 GΩ
Contact resistance	≤ 0,3 mΩ (4 poles), ≤ 1 mΩ (2 poles)
Rated voltage according to UL/CSA	600 V
UL 94 flammability rating	V-0
Weight	118,00 g

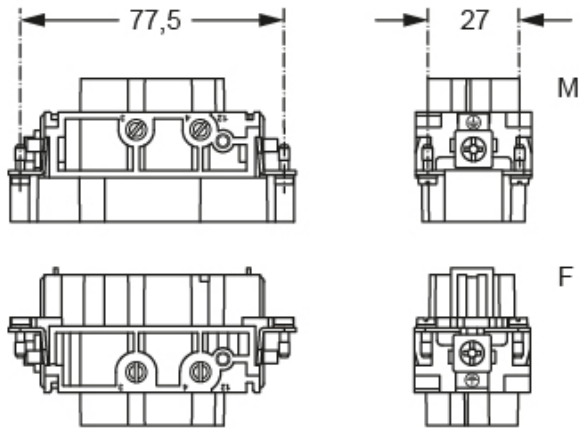
Approvals / Standards	
Reference standard	EN 61984:2009-06
Quality mark	 DNV-GL, EAC
Conformity	CQC, CE
General ordering information	
EAN13 code	8015747042338
ETIM classification	EC000438
Packaging Information	
Packaging length	245,00 mm
Packaging height	165,00 mm
Packaging width	215,00 mm
Packaging weight	3,96 kg
Packaging volume	8,69 dm ³
Packaging description	Carton box
Packaging quantity	30 Pcs
Packaging EAN code	8015747191845
Sub-packaging length	87,00 mm
Sub-packaging height	36,00 mm
Sub-packaging width	180,00 mm
Sub-packaging weight	0,66 kg
Sub-packaging volume	0,56 dm ³
Sub-packaging description	Carton tray
Sub-packaging quantity	5 Pcs
Sub-packaging EAN barcode	8015747042345

Part number

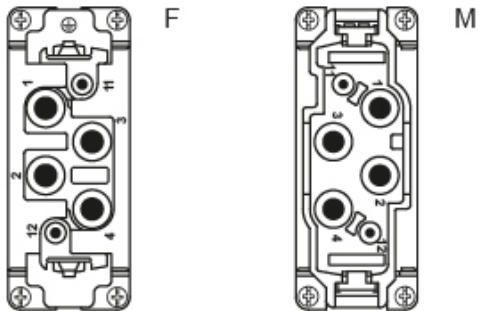
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Catalogue drawings

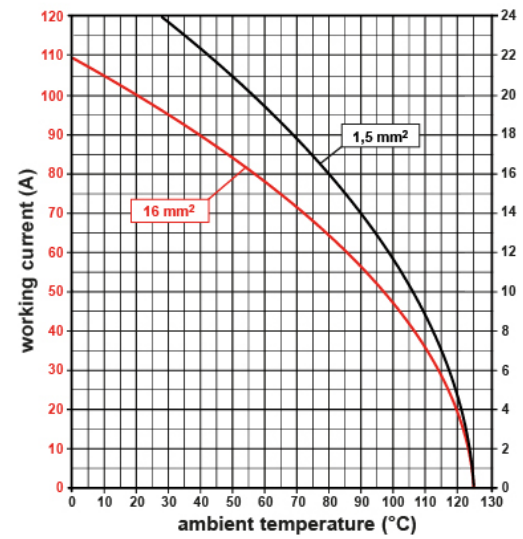
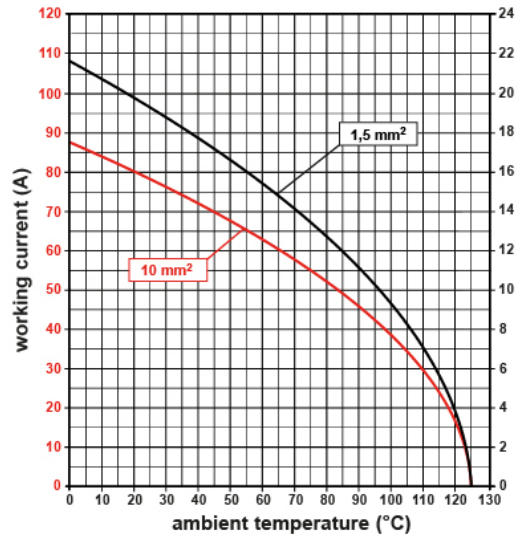
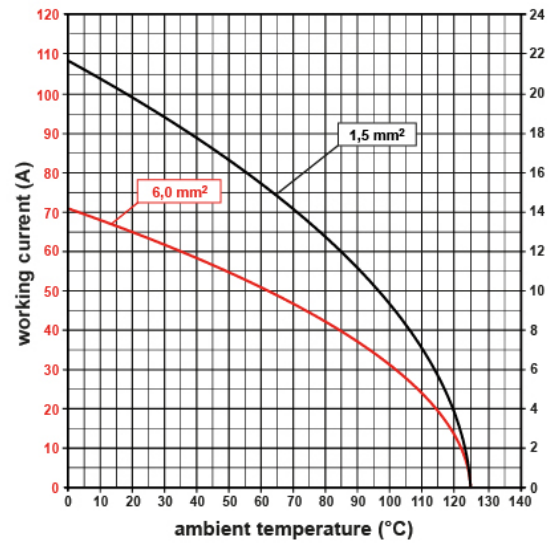


contacts side (front view)



Derating curves

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



CXF/M 4/2 inserts

80A contacts

- without plate for section conductors:

4 - 16 mm² - AWG 12 - 6

- conductors stripping length: 14 mm

- terminal screw torque: 2.5 Nm

- characteristics according to EN 61984:

80A 690V 8kV 3

16A 400V 6kV 3

16A 400/690V 6kV 2

- rated voltage according to UL/CSA: 600V

- insulation resistance: > 10 GOhm

- ambient temperature limit: -40 °C ... +125 °C

- are made of self-extinguishing thermoplastic resin UL 94 V0

- mechanical life: > 500 cycles

- contact resistance: < 0,3 mOhm (4 poles) < 1 mOhm (2 poles)

- inserts for applications with temperatures up to 180 °C, available

on request

- enclosures: size 77.27:

C-TYPE IP65/IP66

C7 IP67 stainless steel lever .

V-TYPE IP65/IP66

stainless steel lever

T-TYPE IP65 insulating

JEI zinc-plated steel lever

BIG hoods

aggressive environments

EMC

central lever

IP68

- panel supports: COB
