

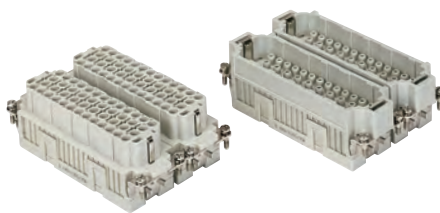
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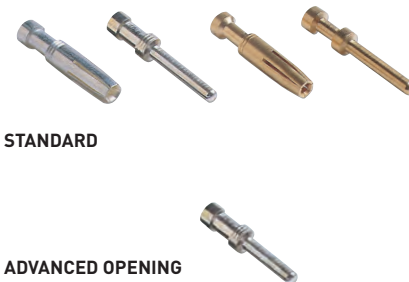
C-TYPE IP65/IP66
W-TYPE for aggressive environments
E-Xtreme® corrosion proof

430
526
547

inserts, crimp connections



16A crimp contacts
standard or for advanced opening
silver and gold plated



STANDARD

ADVANCED OPENING

- for applications requiring higher voltages, please see the special voltage application section on page 167

description	part No.	part No.	part No.
without contacts (to be ordered separately)			
female inserts for female contacts, No. (1-46) and (47-92)	CQEF 46	CQEF 46 N	
male inserts for male contacts, No. (1-46) and (47-92)	CQEM 46	CQEM 46 N	
16A female contacts			
0,14-0,37 mm ² AWG 26-22 one groove		CCFA 0.3	CCFD 0.3
0,5 mm ² AWG 20 with no grooves		CCFA 0.5	CCFD 0.5
0,75 mm ² AWG 18 one groove (back side)		CCFA 0.7	CCFD 0.7
1 mm ² AWG 18 one groove		CCFA 1.0	CCFD 1.0
1,5 mm ² AWG 16 two grooves		CCFA 1.5	CCFD 1.5
2,5 mm ² AWG 14 three grooves		CCFA 2.5	CCFD 2.5
3 mm ² AWG 12 one wide groove		CCFA 3.0	CCFD 3.0
4 mm ² AWG 12 with no grooves		CCFA 4.0	CCFD 4.0
16A male contacts			
0,14-0,37 mm ² AWG 26-22 one groove		CCMA 0.3	CCMD 0.3
0,5 mm ² AWG 20 with no grooves		CCMA 0.5	CCMD 0.5
0,75 mm ² AWG 18 one groove (back side)		CCMA 0.7	CCMD 0.7
1 mm ² AWG 18 one groove		CCMA 1.0	CCMD 1.0
1,5 mm ² AWG 16 two grooves		CCMA 1.5	CCMD 1.5
2,5 mm ² AWG 14 three grooves		CCMA 2.5	CCMD 2.5
3 mm ² AWG 12 one wide groove		CCMA 3.0	CCMD 3.0
4 mm ² AWG 12 with no grooves		CCMA 4.0	CCMD 4.0
16A male crimp contacts for advanced opening			
0,5 mm ² AWG 20 with no grooves		CC 0.5 AN	* for basic or high thickness gold plating, please refer to page 675
0,75 mm ² AWG 18 one groove (back side)		CC 0.7 AN	
1 mm ² AWG 18 one groove		CC 1.0 AN	
1,5 mm ² AWG 16 two grooves		CC 1.5 AN	
2,5 mm ² AWG 14 three grooves		CC 2.5 AN	

- characteristics according to EN 61984:

16A 500V 6kV 3
16A 830V 8kV 2

- cULus (UL for USA and Canada),

- certified

- rated voltage according to UL/CSA: 600V

- insulation resistance: ≥ 10 G Ω

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

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

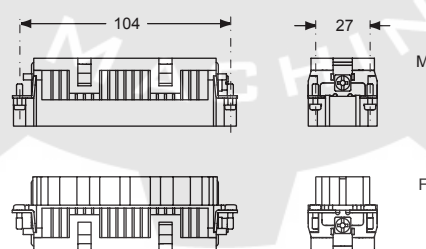
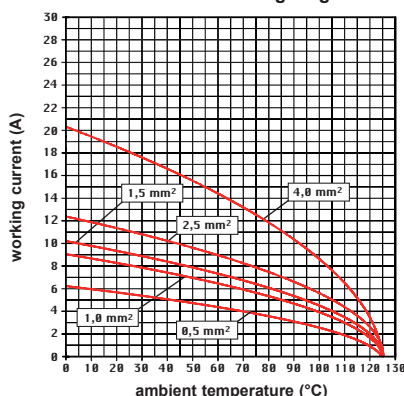
- mechanical life: ≥ 500 cycles

- contact resistance: ≤ 1 m Ω

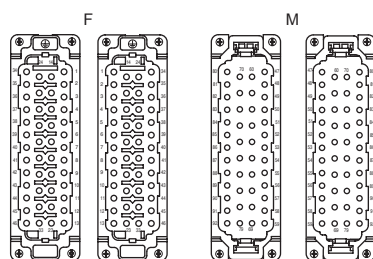
- for max. current load see the connector inserts derating diagram below; for more information see page 28

CQE 92 poles connector inserts

Maximum current load derating diagram



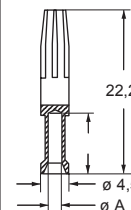
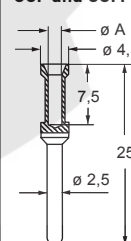
contacts side (front view)



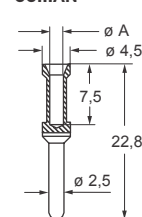
CR CPQ coding pins
(page 689)



CCF and CCM



CC...AN



- it is recommended to crimp the contacts with crimping tools homologated by ILME (please see the crimping tool section 16A contacts, CCF, CCM and CC...AN series on pages 705 - 741)

CCF, CCM and CC...AN contacts

conductor section mm ²	conductor slot ϕ A (mm)	conductors stripping length (mm)
0,14-0,37	0,9	7,5
0,5	1,1	7,5
0,75	1,3	7,5
1,0	1,45	7,5
1,5	1,8	7,5
2,5	2,2	7,5
3	2,55	7,5
4	2,85	7,5