

CQE 46 poles + ⊕ 16A - 500Venclosures:
size "104.27"

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

inserts, crimp connections

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

STANDARD



ADVANCED OPENING

description	part No.	part No.
without contacts (to be ordered separately)		
female inserts for female contacts	CQEF 46	
male inserts for male contacts	CQEM 46	
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

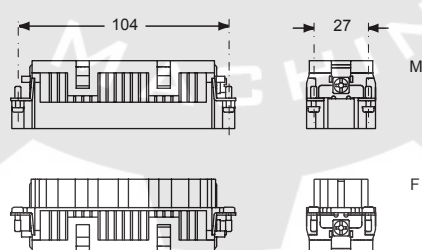
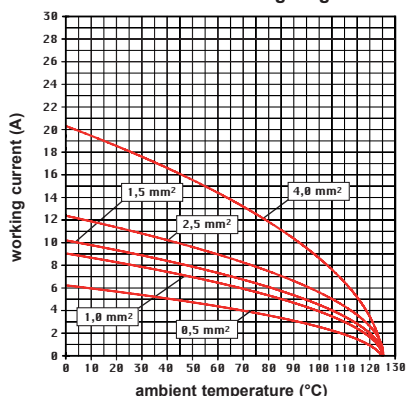
- insulation resistance: ≥ 10 GΩ

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

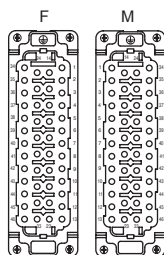
- made of self-extinguishing thermoplastic resin UL 94V-0

- mechanical life: ≥ 500 cycles- contact resistance: ≤ 1 mΩ

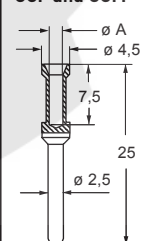
- for max. current load see the connector inserts derating diagram below; for more information see page 28

CQE 46 poles connector inserts
Maximum current load derating diagram

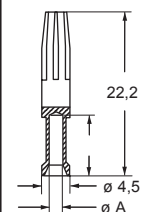
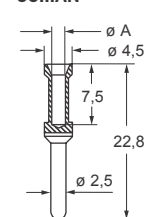
contacts side (front view)

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 708 - 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