

CQE 64 poles + 16A - 500V

enclosures:
size "77.62"

page:

C-TYPE IP65/IP66

424 - 429

W-TYPE for aggressive environments

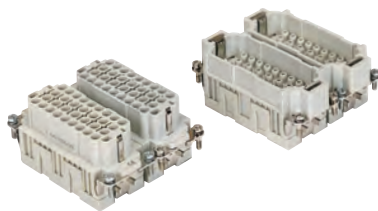
525

E-Xtreme® corrosion proof

546

- 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.	part No.			
without contacts (to be ordered separately)								
female inserts for female contacts, No. (1-32) and (33-64)			CQEF 32	CQEF 32 N				
male inserts for male contacts, No. (1-32) and (33-64)			CQEM 32	CQEM 32 N				
16A female contacts								
0,14-0,37 mm²	AWG 26-22	one groove			CCFA 0.3	silver plated	CCFD 0.3	gold plated*
0,5 mm²	AWG 20	with no grooves			CCFA 0.5		CCFD 0.5	
0,75 mm²	AWG 18	one groove (back side)			CCFA 0.7		CCFD 0.7	
1 mm²	AWG 18	one groove			CCFA 1.0		CCFD 1.0	
1,5 mm²	AWG 16	two grooves			CCFA 1.5		CCFD 1.5	
2,5 mm²	AWG 14	three grooves			CCFA 2.5		CCFD 2.5	
3 mm²	AWG 12	one wide groove			CCFA 3.0		CCFD 3.0	
4 mm²	AWG 12	with no grooves			CCFA 4.0		CCFD 4.0	
16A male contacts								
0,14-0,37 mm²	AWG 26-22	one groove			CCMA 0.3		CCMD 0.3	
0,5 mm²	AWG 20	with no grooves			CCMA 0.5		CCMD 0.5	
0,75 mm²	AWG 18	one groove (back side)			CCMA 0.7		CCMD 0.7	
1 mm²	AWG 18	one groove			CCMA 1.0		CCMD 1.0	
1,5 mm²	AWG 16t	wo grooves			CCMA 1.5		CCMD 1.5	
2,5 mm²	AWG 14	three grooves			CCMA 2.5		CCMD 2.5	
3 mm²	AWG 12	one wide groove			CCMA 3.0		CCMD 3.0	
4 mm²	AWG 12	with no grooves			CCMA 4.0		CCMD 4.0	
16A male crimp contacts for advanced opening								
0,5 mm²	AWG 20	with no grooves			CC 0.5 AN		* for basic or high thickness gold plating, please refer to page 675	
0,75 mm²	AWG 18	one groove (back side)			CC 0.7 AN			
1 mm²	AWG 18	one groove			CC 1.0 AN			
1,5 mm²	AWG 16	two grooves			CC 1.5 AN			
2,5 mm²	AWG 14	three grooves			CC 2.5 AN			

- characteristics according to EN 61984:

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

- cUL[®]us (UL for USA and Canada), CSA[®], CEC, DNV-GL

BUREAU VERITAS EAC certified

- rated voltage according to UL/CSA: 600V

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

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

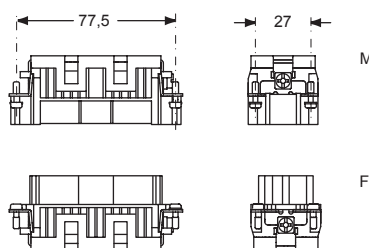
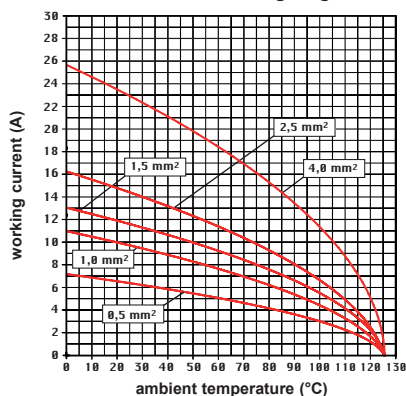
- made of self-extinguishing thermoplastic resin UL 94V-0

- mechanical life: ≥ 500 cycles

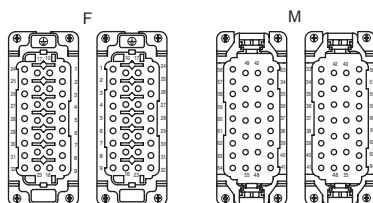
- contact resistance: $\leq 1 \text{ m}\Omega$

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

CQE 64 poles connector inserts
Maximum current load derating diagram



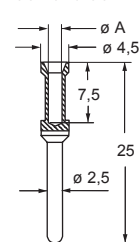
contacts side (front view)



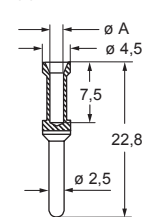
CR CPQ coding pins
(page 689)



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 ø 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