

CQEE 40 poles + 16A - 500V

enclosures:
size "77.27"

page:

C-TYPE IP65/IP66	402 - 411
C7 IP67, two levers	439 - 440
V-TYPE IP65/IP66, single lever	454 - 458
BIG hoods	470 - 471
T-TYPE IP65 insulating	484 - 485
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E-Xtreme® corrosion proof	534 - 535, 544, 554 - 555
EMC	580
Central lever	609 - 611
LS-TYPE	622 - 623
IP68	640 - 643

panel supports:

page:

COB

652 - 653

inserts, crimp connections

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



STANDARD



ADVANCED OPENING

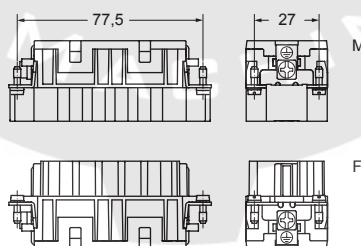
description			part No.	part No.	
without contacts (to be ordered separately)					
female inserts for female contacts			CQEEF 40		
male inserts for male contacts			CQEEM 40		
16A female contacts					
0,14-0,37 mm²	AWG 26-22	one groove	CCFA 0.3	silver plated	CCFD 0.3
0,5 mm²	AWG 20	with no grooves	CCFA 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	gold plated ⁺	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 6184:

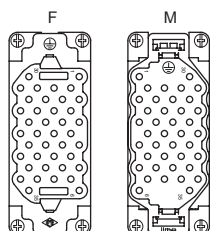
16A 500V 6kV 3

- **UL**® (UL for USA and Canada), **SP**® **CQC** **DNV-GL**
BUREAU VERITAS **EMC** certified

- rated voltage according to UL/CSA: 600V
- insulation resistance: $\geq 10\text{ G}\Omega$
- ambient temperature limit: $-40\text{ }^{\circ}\text{C} \dots +125\text{ }^{\circ}\text{C}$
- 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



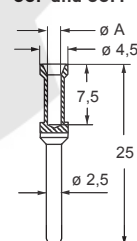
contacts side (front view)



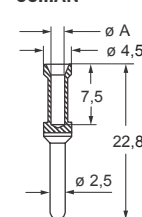
CR CPQ coding pins
(page 689)



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 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

CQEE 40 poles connector inserts
Maximum current load derating diagram

