

**CQE 64 poles +  16A - 500V**

enclosures:  
size "77.62"

page:

## C-TYPE IP65/IP66

424 - 429

**W-TYPE** for aggressive environments

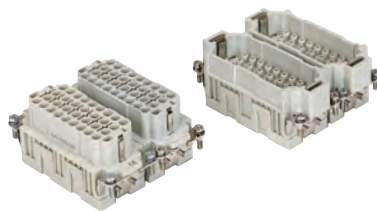
525

**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) | <b>CQEF 32</b> | <b>CQEF 32 N</b>       |                  |
| male inserts for male contacts, No. (1-32) and (33-64)     | <b>CQEM 32</b> | <b>CQEM 32 N</b>       |                  |
| <b>16A female contacts</b>                                 |                |                        |                  |
| 0,14-0,37 mm <sup>2</sup>                                  | AWG 26-22      | one groove             | <b>CCFA 0.3</b>  |
| 0,5 mm <sup>2</sup>                                        | AWG 20         | with no grooves        | <b>CCFA 0.5</b>  |
| 0,75 mm <sup>2</sup>                                       | AWG 18         | one groove (back side) | <b>CCFA 0.7</b>  |
| 1 mm <sup>2</sup>                                          | AWG 18         | one groove             | <b>CCFA 1.0</b>  |
| 1,5 mm <sup>2</sup>                                        | AWG 16         | two grooves            | <b>CCFA 1.5</b>  |
| 2,5 mm <sup>2</sup>                                        | AWG 14         | three grooves          | <b>CCFA 2.5</b>  |
| 3 mm <sup>2</sup>                                          | AWG 12         | one wide groove        | <b>CCFA 3.0</b>  |
| 4 mm <sup>2</sup>                                          | AWG 12         | with no grooves        | <b>CCFA 4.0</b>  |
| <b>16A male contacts</b>                                   |                |                        |                  |
| 0,14-0,37 mm <sup>2</sup>                                  | AWG 26-22      | one groove             | <b>CCMA 0.3</b>  |
| 0,5 mm <sup>2</sup>                                        | AWG 20         | with no grooves        | <b>CCMA 0.5</b>  |
| 0,75 mm <sup>2</sup>                                       | AWG 18         | one groove (back side) | <b>CCMA 0.7</b>  |
| 1 mm <sup>2</sup>                                          | AWG 18         | one groove             | <b>CCMA 1.0</b>  |
| 1,5 mm <sup>2</sup>                                        | AWG 16t        | wo grooves             | <b>CCMA 1.5</b>  |
| 2,5 mm <sup>2</sup>                                        | AWG 14         | three grooves          | <b>CCMA 2.5</b>  |
| 3 mm <sup>2</sup>                                          | AWG 12         | one wide groove        | <b>CCMA 3.0</b>  |
| 4 mm <sup>2</sup>                                          | AWG 12         | with no grooves        | <b>CCMA 4.0</b>  |
| <b>16A male crimp contacts for advanced opening</b>        |                |                        |                  |
| 0,5 mm <sup>2</sup>                                        | AWG 20         | with no grooves        | <b>CC 0.5 AN</b> |
| 0,75 mm <sup>2</sup>                                       | AWG 18         | one groove (back side) | <b>CC 0.7 AN</b> |
| 1 mm <sup>2</sup>                                          | AWG 18         | one groove             | <b>CC 1.0 AN</b> |
| 1,5 mm <sup>2</sup>                                        | AWG 16         | two grooves            | <b>CC 1.5 AN</b> |
| 2,5 mm <sup>2</sup>                                        | AWG 14         | three grooves          | <b>CC 2.5 AN</b> |

silver plated

gold plated\*

\* for basic or high thickness gold plating, please refer to page 675

- characteristics according to EN 61984:

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

- cUL<sup>®</sup>us (UL for USA and Canada), CSA<sup>®</sup>, 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

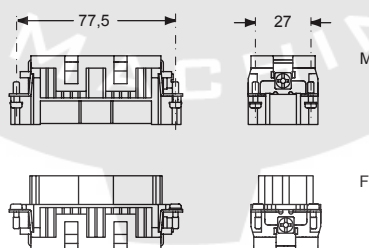
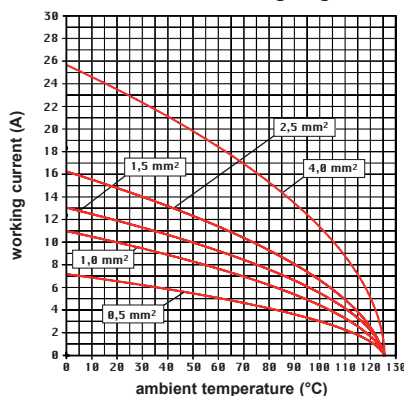
- made of self-extinguishing thermoplastic resin UL 94V-0

- mechanical life:  $\geq 500$  cycles

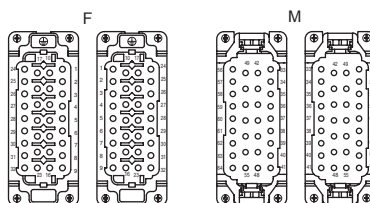
- contact resistance:  $\leq 1 \text{ m}\Omega$

- 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**



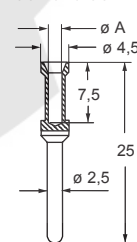
contacts side (front view)



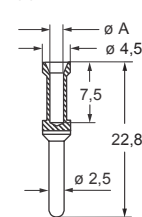
**CR CPQ coding pins**  
(page 689)



## 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<br>section<br>mm <sup>2</sup> | conductor<br>slot<br>ø A (mm) | conductors<br>stripping length<br>(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                                    |