

# CQ 05

16 A 230/400 V

size **21.21**

**5 poles +  $\oplus$**

## Crimp connection

|                           |                           |
|---------------------------|---------------------------|
| EN 61984 rating           | 16 A 230 / 400 V 4 kV 3   |
|                           | 16 A 320 / 500 V 4 kV 2   |
| Rated voltage (UL / CSA)  | 600 V                     |
| Insulation resistance     | $\geq 10 \text{ G}\Omega$ |
| Contact resistance        | $\leq 1 \text{ m}\Omega$  |
| Ambient temperature limit | -40 °C ... +125 °C        |
| Mechanical life (cycles)  | $\geq 500$                |

CE UK EAC



ECBT2.E115072 | ECBT8.E115072  
PVVA2.E506437 | PVVA8.E506437

| Item | Description                                                                                                                                         | Part No.               | Dimension |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|
|      | Male inserts for male contacts<br>Without contacts, including PE<br>(to be ordered separately)<br><br>PE screw connection for unprepared wires only | <a href="#">CQM 05</a> |           |

|  |                                                                                                                                                         |                        |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|
|  | Female inserts for female contacts<br>Without contacts, including PE<br>(to be ordered separately)<br><br>PE screw connection for unprepared wires only | <a href="#">CQF 05</a> |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|

| 16 A advanced opening contacts |               | Male                      | Female                   |  |
|--------------------------------|---------------|---------------------------|--------------------------|--|
| section (mm <sup>2</sup> )     | section (AWG) |                           |                          |  |
| 0,5                            | 20            | <a href="#">CC 0.5 AN</a> |                          |  |
| 0,75                           | 18            | <a href="#">CC 0.7 AN</a> |                          |  |
| 1                              | 18            | <a href="#">CC 1.0 AN</a> |                          |  |
| 1,5                            | 16            | <a href="#">CC 1.5 AN</a> |                          |  |
| 2,5                            | 14            | <a href="#">CC 2.5 AN</a> |                          |  |
| 16 A crimp contacts            |               |                           |                          |  |
| section (mm <sup>2</sup> )     | section (AWG) |                           |                          |  |
| 0,14-0,37                      | 26-22         | <a href="#">CCMA 0.3</a>  | <a href="#">CCFA 0.3</a> |  |
| 0,5                            | 20            | <a href="#">CCMA 0.5</a>  | <a href="#">CCFA 0.5</a> |  |
| 0,75                           | 18            | <a href="#">CCMA 0.7</a>  | <a href="#">CCFA 0.7</a> |  |
| 1                              | 18            | <a href="#">CCMA 1.0</a>  | <a href="#">CCFA 1.0</a> |  |
| 1,5                            | 16            | <a href="#">CCMA 1.5</a>  | <a href="#">CCFA 1.5</a> |  |
| 2,5                            | 14            | <a href="#">CCMA 2.5</a>  | <a href="#">CCFA 2.5</a> |  |
| 3                              | 12            | <a href="#">CCMA 3.0</a>  | <a href="#">CCFA 3.0</a> |  |
| 4                              | 12            | <a href="#">CCMA 4.0</a>  | <a href="#">CCFA 4.0</a> |  |
| 0,14-0,37                      | 26-22         | <a href="#">CCMD 0.3</a>  | <a href="#">CCFD 0.3</a> |  |
| 0,5                            | 20            | <a href="#">CCMD 0.5</a>  | <a href="#">CCFD 0.5</a> |  |
| 0,75                           | 18            | <a href="#">CCMD 0.7</a>  | <a href="#">CCFD 0.7</a> |  |
| 1                              | 18            | <a href="#">CCMD 1.0</a>  | <a href="#">CCFD 1.0</a> |  |
| 1,5                            | 16            | <a href="#">CCMD 1.5</a>  | <a href="#">CCFD 1.5</a> |  |
| 2,5                            | 14            | <a href="#">CCMD 2.5</a>  | <a href="#">CCFD 2.5</a> |  |
| 3                              | 12            | <a href="#">CCMD 3.0</a>  | <a href="#">CCFD 3.0</a> |  |
| 4                              | 12            | <a href="#">CCMD 4.0</a>  | <a href="#">CCFD 4.0</a> |  |

### Wiring information, CC contacts

| conductor section (mm <sup>2</sup> ) | conductor slot $\phi$ A (mm) | 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                   |
| 3,0                                  | 2,55                         | 7,5                   |
| 4,0                                  | 2,85                         | 7,5                   |

Wire diameter: up to 4,7 mm.

For basic or high thickness gold plating, please refer to page F.13.

It is recommended to use the crimping tools and removal tools homologated by ILME (please see page F.23)

### Materials

|                    |                                        |
|--------------------|----------------------------------------|
| Insert             | polycarbonate (PC)                     |
| UL 94 flame rating | V-0                                    |
| Colour             | pebble grey, RAL 7032                  |
| Contacts           | copper alloy, silver  and gold  plated |

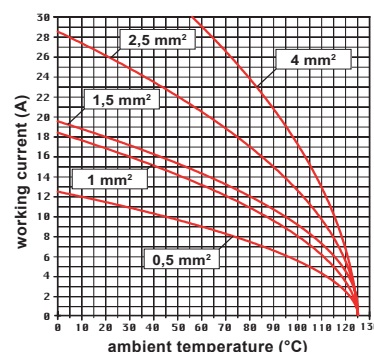
| Compact 21.21 enclosures              | Pages   |
|---------------------------------------|---------|
| <b>Heavy-Duty Applications</b>        |         |
| Thermoplastic                         | A.46-50 |
| Thermoplastic with metal lever        | A.53-55 |
| Metallic                              | A.56-64 |
| <b>Aggressive Environments</b>        |         |
| Metallic W-TYPE                       | A.72-75 |
| Metallic E-Xtreme®                    | A.76-77 |
| Metallic IP68 high protection         | A.78-81 |
| <b>Specialized Applications</b>       |         |
| EMC (Electromagnetic Shielding)       | A.84-89 |
| Hygienic series for food and beverage | A.94-96 |



**CIF Q05 2.4**  
PCB adapter  
Page D.4



**CR CPQ**  
Coding pins  
Page G.3



### CQ 05 inserts max. current load derating diagram

Inserts for applications with temperatures up to 180 °C available on request

Can also be used partially fitted with 4 mm<sup>2</sup> section contacts