

# CX 01 30/CX 01B 30

300 A 1000 V / 1300 V<sub>DC</sub>

size **2 modules**

**1 pole**

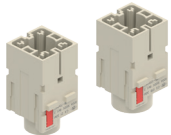
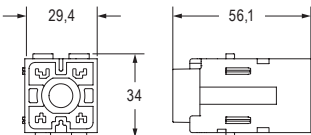
## Crimp connection

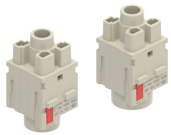
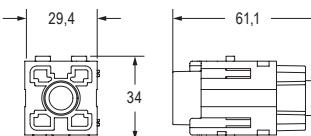
|                           |                                            |
|---------------------------|--------------------------------------------|
| EN 61984 rating           | 300 A 1000 V 8 kV 3 – 1300 V <sub>DC</sub> |
|                           | 300 A 920 / 1600 V 8 kV 2                  |
| Rated voltage (UL / CSA)  | 600 V                                      |
| Insulation resistance     | ≥ 10 GΩ                                    |
| Contact resistance        | ≤ 0,2 mΩ                                   |
| Ambient temperature limit | -40 °C ... +125 °C                         |
| Mechanical life (cycles)  | ≥ 500                                      |

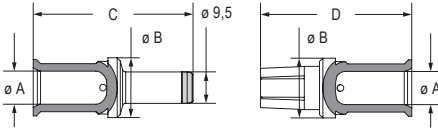
CE UK (pending: EAC)

(pending: CQC, DNV and BV)

(pending: cURus)

| Item                                                                              | Description                                  | Part No.                   | Dimension                                                                           |
|-----------------------------------------------------------------------------------|----------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|
|  | Male insert for male contact 16..70 mm²      | <a href="#">CX 01 30M</a>  |  |
|                                                                                   | Male insert for male contacts 95 and 120 mm² | <a href="#">CX 01B 30M</a> |                                                                                     |
|                                                                                   | Without contacts (to be ordered separately)  |                            |                                                                                     |

|                                                                                   |                                                   |                            |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|
|  | Female insert for female contacts 16..70 mm²      | <a href="#">CX 01 30F</a>  |  |
|                                                                                   | Female inserts for female contacts 95 and 120 mm² | <a href="#">CX 01B 30F</a> |                                                                                     |
|                                                                                   | Without contacts (to be ordered separately)       |                            |                                                                                     |

| 300 A crimp contacts |               | Male                        | Female                    |  |
|----------------------|---------------|-----------------------------|---------------------------|--------------------------------------------------------------------------------------|
| section (mm²)        | section (AWG) |                             |                           |                                                                                      |
| 16                   | 6             | <a href="#">C30MA 16 P</a>  | <a href="#">C30FA 16</a>  |    |
| 25                   | 4             | <a href="#">C30MA 25 P</a>  | <a href="#">C30FA 25</a>  |                                                                                      |
| 35                   | 2             | <a href="#">C30MA 35 P</a>  | <a href="#">C30FA 35</a>  |                                                                                      |
| 50                   | 1             | <a href="#">C30MA 50 P</a>  | <a href="#">C30FA 50</a>  |                                                                                      |
| 70                   | 2/0           | <a href="#">C30MA 70 P</a>  | <a href="#">C30FA 70</a>  |                                                                                      |
| 95                   | 3/0           | <a href="#">C30MA 95 P</a>  | <a href="#">C30FA 95</a>  |                                                                                      |
| 120                  | 4/0           | <a href="#">C30MA 120 P</a> | <a href="#">C30FA 120</a> |                                                                                      |
|                      |               |                             |                           |                                                                                      |
|                      |               |                             |                           |                                                                                      |
|                      |               |                             |                           |                                                                                      |

### Wiring information, C30 contacts

| conductor section (mm²) | conductor slot ø A (mm) | ø B (mm) | C (mm) | D (mm) | conductor stripping length (mm) |
|-------------------------|-------------------------|----------|--------|--------|---------------------------------|
| 16                      | 5,5                     | 18       | 42,7   | 39,1   | 19                              |
| 25                      | 7                       | 18       | 42,7   | 39,1   | 19                              |
| 35                      | 8,2                     | 18       | 43,7   | 40,1   | 20                              |
| 50                      | 10                      | 18       | 49,2   | 45,6   | 22,5                            |
| 70                      | 11,5                    | 18       | 49,2   | 45,6   | 22,5                            |
| 95                      | 13,5                    | 21       | 49,2   | 45,6   | 22,5                            |
| 120                     | 15,5                    | 21       | 49,2   | 45,6   | 22,5                            |

Wire diameter:  
- up to 18,5 mm for size 01 modules (up to 70 mm²/AWG 2/0);  
- up to 22 mm for size 01B modules (up to 120 mm²/AWG 4/0).

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

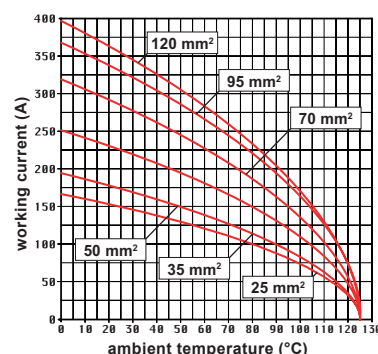
### Materials

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



**CGT..**  
PE wire terminal adapter  
Page C.96

| Accessories                    | Pages    |
|--------------------------------|----------|
| MIXO Frames                    |          |
| Metal frames for modular units | C.95     |
| Thermoplastic docking frames   | C.98-101 |



**CX 01/01B 30 inserts max. current load derating diagram**

Can be used in bulkhead mounting housings or in high construction housings or in high construction hoods.