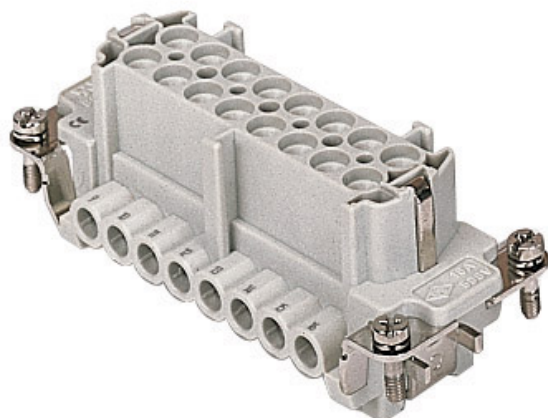


Part number

# CNEF 16 TN



Female insert, CNE series, screw terminal connection, 16 poles + PE (17-32), 16 A 500 V 6 kV 3, size "77.62", with plate

## Product description

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| <b>Product type</b>    | Insert                                                                                       |
| <b>Series</b>          | CNE                                                                                          |
| <b>Connection type</b> | Screw terminal connection                                                                    |
| <b>Gender</b>          | Female                                                                                       |
| <b>N. of poles</b>     | 32 poles +  |
| <b>Size</b>            | Size 77.62                                                                                   |
| <b>Specification</b>   | With plate, also for non-prepared conductors                                                 |

## Technical data

|                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| <b>Current</b>                           | 16 A                                             |
| <b>Voltage</b>                           | 500 V                                            |
| <b>Rated impulse withstand voltage</b>   | 6 kV                                             |
| <b>Pollution degree</b>                  | 3                                                |
| <b>Rated voltage according to UL/CSA</b> | 600 V                                            |
| <b>Wire cross-section</b>                | 0,50 mm <sup>2</sup> - 4,00 mm <sup>2</sup>      |
| <b>AWG size</b>                          | 20 - 12                                          |
| <b>Contact type</b>                      | Turned silver plated                             |
| <b>Pole numbering system</b>             | 17-32                                            |
| <b>IP degree of protection</b>           | IP20 without enclosure, IP65/IP66 with enclosure |

## Further technical details

|                                               |                                           |
|-----------------------------------------------|-------------------------------------------|
| <b>Characteristics according to EN 61984</b>  | 16A 500V 6kV 3; 16A 400/690V 6kV 2        |
| <b>Mating cycles</b>                          | ≥ 500                                     |
| <b>Insulation resistance</b>                  | ≥ 10 GΩ                                   |
| <b>Contact resistance</b>                     | ≤ 1 mΩ                                    |
| <b>Weight</b>                                 | 85,00 g                                   |
| <b>Operating temperature range (min, max)</b> | -40 °C ... +125 °C                        |
| <b>Conductors stripping length</b>            | 7 mm                                      |
| <b>UL 94 flammability rating</b>              | V-0                                       |
| <b>Torque for main contact</b>                | M3: 0,5 Nm; 4,4 lb.in (Ph0 or 0,8 x 4 mm) |

## Material properties

|                              |                                                                                |
|------------------------------|--------------------------------------------------------------------------------|
| <b>Main material</b>         | Polycarbonate (PC)                                                             |
| <b>Other materials</b>       | Contacts: copper alloy                                                         |
| <b>Colour</b>                | RAL 7032 grey                                                                  |
| <b>RoHs conformity</b>       | Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight |
| <b>China RoHs - EFUP</b>     | 50                                                                             |
| <b>REACH SVHC substances</b> | Yes<br>Lead                                                                    |
| <b>SCIP number</b>           | 1a9c93ff-0445-4a16-81e3-1609ac5274d6                                           |

## Approvals / Standards

|                           |                        |
|---------------------------|------------------------|
| <b>Reference standard</b> | EN 61984:2009-06       |
| <b>Certifications</b>     | CSA, CQC, DNV, BV, EAC |
| <b>UL</b>                 | ECBT2, PVVA2           |
| <b>cUL</b>                | ECBT8, PVVA8           |

## General ordering information

|                   |               |
|-------------------|---------------|
| <b>EAN13 code</b> | 8015747032377 |
| <b>eCl@ss 8.1</b> | 27440205      |
| <b>ETIM 7.0</b>   | EC000438      |

## Packaging Information

|                                  |                      |
|----------------------------------|----------------------|
| <b>Packaging length</b>          | 230,00 mm            |
| <b>Packaging height</b>          | 110,00 mm            |
| <b>Packaging width</b>           | 180,00 mm            |
| <b>Packaging weight</b>          | 2,85 kg              |
| <b>Packaging volume</b>          | 4,55 dm <sup>3</sup> |
| <b>Packaging description</b>     | Carton box           |
| <b>Packaging quantity</b>        | 30 Pcs               |
| <b>Packaging EAN code</b>        | 8015747032384        |
| <b>Sub-packaging length</b>      | 87,00 mm             |
| <b>Sub-packaging height</b>      | 36,00 mm             |
| <b>Sub-packaging width</b>       | 180,00 mm            |
| <b>Sub-packaging weight</b>      | 0,48 kg              |
| <b>Sub-packaging volume</b>      | 0,56 dm <sup>3</sup> |
| <b>Sub-packaging description</b> | Carton tray          |
| <b>Sub-packaging quantity</b>    | 5 Pcs                |
| <b>Sub-packaging EAN barcode</b> | 8015747032391        |

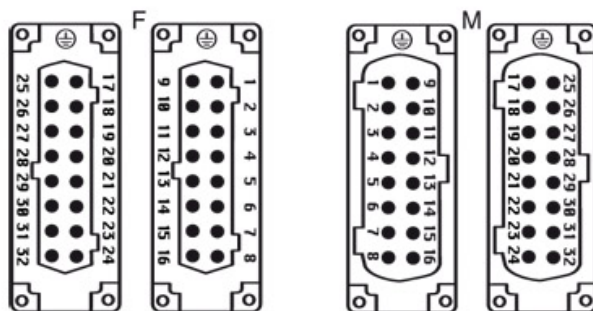
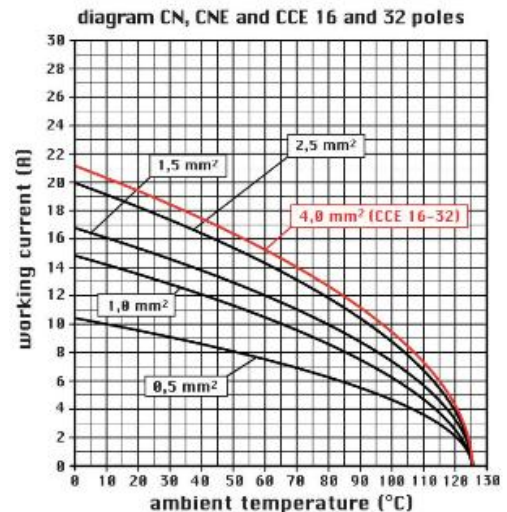
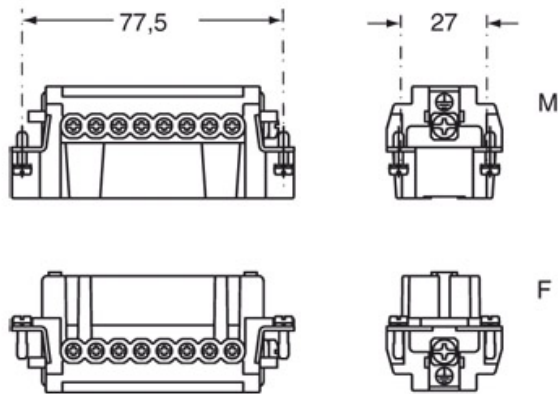
Part number

# CNEF 16 TN



Catalogue drawings

Catalogue drawings



## Notes

CNEF/M 16 TN/TXN inserts:

- characteristics according to EN 61984:  
(16A 500V 6kV 3)  
(16A 400/690V 6kV 2)
- rated voltage according to UL/CSA: 600V
- insulation resistance: > 10 GOhm
- ambient temperature limit: -40 °C ... +125 °C
- are made of self-extinguishing thermoplastic resin UL 94 V0
- mechanical life: > 500 cycles
- contact resistance: < 1 mOhm
- enclosures: size "77.62":

C-TYPE IP65/IP66

W-TYPE aggressive environments

Dimensions shown in mm are not binding and may be changed without notice.

CNE ... : for non-prepared conductors



CNE ... X : for conductors with bush terminal

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### California Proposition 65 Information



### WARNING

This product can expose you to lead and its compounds, known to the State of California to cause cancer and/or reproductive toxicity. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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