

Part number

# CNEM 16 RY



Male insert, CNE RY series, screw terminal connection, 16 poles + PE, 16 A 500 V 6 kV 3, size "77.27", for applications up to 180°C, with plate

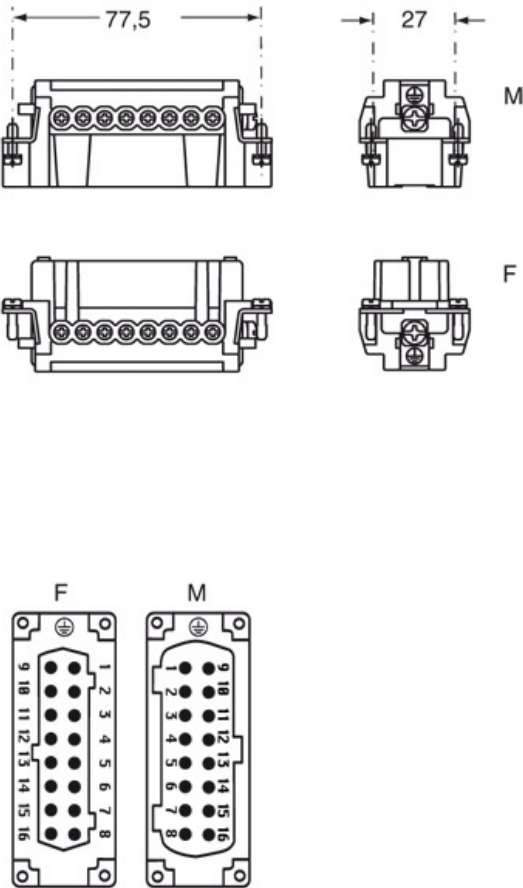
| Product description                    |                                                                                              | Material properties          |                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|
| Product type                           | Insert                                                                                       | Main material                | Polyphenylene sulfide (PPS)                                                    |
| Series                                 | CNE RY                                                                                       | Other materials              | Contacts: copper alloy                                                         |
| Connection type                        | Screw terminal connection                                                                    | RoHs conformity              | Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight |
| Gender                                 | Male                                                                                         | China RoHs - EFUP            | 50                                                                             |
| N. of poles                            | 16 poles +  | REACH SVHC substances        | Yes                                                                            |
| Size                                   | Size 77.27                                                                                   | Lead                         | Lead                                                                           |
| Specification                          | With plate<br>For applications up to 180°C                                                   | SCIP number                  | 1a9c93ff-0445-4a16-81e3-1609ac5274d6                                           |
| Technical data                         |                                                                                              | Approvals / Standards        |                                                                                |
| Current                                | 16 A                                                                                         | Reference standard           | EN 61984:2009-06                                                               |
| Voltage                                | 500 V                                                                                        | Certifications               | CSA, CQC, DNV, BV, EAC                                                         |
| Rated impulse withstand voltage        | 6 kV                                                                                         | UL                           | ECBT2                                                                          |
| Pollution degree                       | 3                                                                                            | cUL                          | ECBT8                                                                          |
| Rated voltage according to UL/CSA      | 600 V                                                                                        | General ordering information |                                                                                |
| Wire cross-section                     | 0,50 mm <sup>2</sup> - 4,00 mm <sup>2</sup>                                                  | EAN13 code                   | 8015747109062                                                                  |
| AWG size                               | 20 - 12                                                                                      | eCl@ss 8.1                   | 27440205                                                                       |
| Contact type                           | Turned silver plated                                                                         | ETIM 7.0                     | EC000438                                                                       |
| IP degree of protection                | IP20 without enclosure, IP65 with enclosure                                                  | Packaging Information        |                                                                                |
| Further technical details              |                                                                                              | Packaging length             | 230,00 mm                                                                      |
| Characteristics according to EN 61984  | 16A 500V 6kV 3; 16A 400/690V 6kV 2                                                           | Packaging height             | 110,00 mm                                                                      |
| Mating cycles                          | ≥ 500                                                                                        | Packaging width              | 180,00 mm                                                                      |
| Insulation resistance                  | ≥ 10 GΩ                                                                                      | Packaging weight             | 2,89 kg                                                                        |
| Contact resistance                     | ≤ 1 mΩ                                                                                       | Packaging volume             | 4,55 dm <sup>3</sup>                                                           |
| Weight                                 | 86,00 g                                                                                      | Packaging description        | Carton box                                                                     |
| Operating temperature range (min, max) | -40°C ... +180°C                                                                             | Packaging quantity           | 30 Pcs                                                                         |
| Conductors stripping length            | 7 mm                                                                                         | Packaging EAN code           | 8015747109970                                                                  |
| UL 94 flammability rating              | V-0                                                                                          | Sub-packaging length         | 87,00 mm                                                                       |
| Torque for main contact                | M3: 0.5 Nm; 4.4 lb.in (Ph0 or 0,8 x 4)                                                       | Sub-packaging height         | 36,00 mm                                                                       |
| Tightening torque for PE connection    | M3: 0,5 Nm; 4,4 lb.in (Ph0 or 0,8 x 4)                                                       | Sub-packaging width          | 180,00 mm                                                                      |
| Tightening torque for fixing screws    | M3: 0.5 Nm; 4.4 lb.in (Ph0 or 0,8 x 4)                                                       | Sub-packaging weight         | 0,48 kg                                                                        |
|                                        |                                                                                              | Sub-packaging volume         | 0,56 dm <sup>3</sup>                                                           |
|                                        |                                                                                              | Sub-packaging description    | Carton tray                                                                    |
|                                        |                                                                                              | Sub-packaging quantity       | 5 Pcs                                                                          |
|                                        |                                                                                              | Sub-packaging EAN barcode    | 8015747109987                                                                  |

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Catalogue drawings



Derating curves

