

Part number

# CDM 08



Male insert, CD series, crimp connection, 8 poles, 10 A 50 V 0,8 kV 3, size "21.21"

| Product description                    |                                                                 | Material properties          |                                                                                |
|----------------------------------------|-----------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|
| Product type                           | Insert                                                          | Main material                | Polycarbonate (PC)                                                             |
| Series                                 | CD                                                              | Other materials              | Gasket: NBR                                                                    |
| Connection type                        | Crimp connection                                                | Colour                       | RAL 7032 grey                                                                  |
| Gender                                 | Male                                                            | RoHS conformity              | Compliant with exemption 6(c): copper alloy containing up to 4% lead by weight |
| N. of poles                            | 8 poles                                                         | China RoHS - EFUP            | 50                                                                             |
| Size                                   | Size "21.21"                                                    | REACH SVHC substances        | Yes                                                                            |
| Specification                          | Standard & HNM (High Number of Matings)                         | Lead                         | 5a97d67d-dd49-45fe-94c0-411f951ef5ee                                           |
| Technical data                         |                                                                 | Approvals / Standards        |                                                                                |
| Current                                | 10 A                                                            | Reference standard           | EN 61984:2009-06                                                               |
| Voltage                                | 50 V                                                            | Certifications               | CSAc, CQC, DNV, BV, EAC                                                        |
| Rated impulse withstand voltage        | 0,8 kV                                                          | UL                           | ECBT2                                                                          |
| Pollution degree                       | 3                                                               | cUL                          | ECBT8                                                                          |
| Rated voltage according to UL/CSA      | 50 V AC/120 V DC                                                | General ordering information |                                                                                |
| IP degree of protection                | IP20 without enclosure, IP44/IP66/IP67/IP68/IP69 with enclosure | EAN13 code                   | 8015747015059                                                                  |
| Further technical details              |                                                                 | eCl@ss 8.1                   | 27440205                                                                       |
| Characteristics according to EN 61984  | 10A 50V ac / 120 dc 0,8kV 3                                     | ETIM 7.0                     | EC000438                                                                       |
| Mating cycles                          | ≥ 500                                                           | Packaging Information        |                                                                                |
| Insulation resistance                  | ≥ 10 GΩ                                                         | Packaging length             | 210,00 mm                                                                      |
| Contact resistance                     | ≤ 3 mΩ                                                          | Packaging height             | 200,00 mm                                                                      |
| Weight                                 | 8,00 g                                                          | Packaging width              | 130,00 mm                                                                      |
| Operating temperature range (min, max) | -40 °C ... +125 °C                                              | Packaging weight             | 1,85 kg                                                                        |
| Conductors stripping length            | 8 mm (6 mm for 2,5 mm <sup>2</sup> )                            | Packaging volume             | 5,46 dm <sup>3</sup>                                                           |
| UL 94 flammability rating              | V-0                                                             | Packaging description        | Carton box                                                                     |
| Tightening torque for fixing screws    | M3: 0,5 Nm; 4,4 lb.in (Ph1 or 0,8 x 5,5 mm)                     | Packaging quantity           | 200 Pcs                                                                        |
|                                        |                                                                 | Packaging EAN code           | 8015747103206                                                                  |
|                                        |                                                                 | Sub-packaging length         | 197,00 mm                                                                      |
|                                        |                                                                 | Sub-packaging height         | 35,00 mm                                                                       |
|                                        |                                                                 | Sub-packaging width          | 113,00 mm                                                                      |
|                                        |                                                                 | Sub-packaging weight         | 0,37 kg                                                                        |
|                                        |                                                                 | Sub-packaging volume         | 0,78 dm <sup>3</sup>                                                           |
|                                        |                                                                 | Sub-packaging description    | Carton tray                                                                    |
|                                        |                                                                 | Sub-packaging quantity       | 40 Pcs                                                                         |
|                                        |                                                                 | Sub-packaging EAN barcode    | 8015747103213                                                                  |

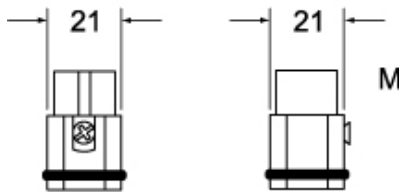
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## Catalogue drawings

### CDM 08



### CDF 08



## Derating curves

### CD 08 poles connector inserts Maximum current load derating diagram

