

Part number  
**CKF 03**



Female insert, CK series, screw terminal connection, 3 poles + PE, 10 A 230/400 V 4 kV 3, size "21.21"

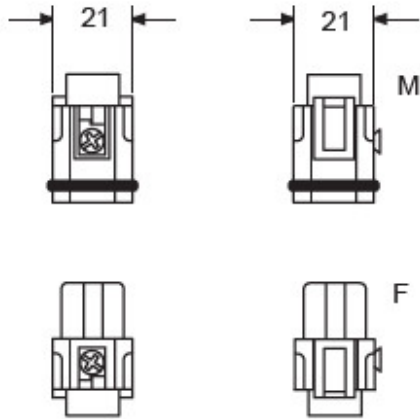
| Product description                           |   |
|---|---|
| <b>Product type</b>                           | Insert  |
| <b>Series</b>                                 | CK  |
| <b>Connection type</b>                        | Screw terminal connection                                       |
| <b>Gender</b>                                 | Female  |
| <b>N. of poles</b>                            | 3 poles +   |
| <b>Size</b>                                   | Size "21.21"  |
| Technical data                                |   |
| <b>Current</b>                                | 10 A  |
| <b>Voltage</b>                                | 230 - 400 V   |
| <b>Rated impulse withstand voltage</b>        | 4 kV  |
| <b>Pollution degree</b>                       | 3   |
| <b>Rated voltage according to UL/CSA</b>      | 600 V   |
| <b>Wire cross-section</b>                     | 0,75 mm <sup>2</sup> - 2,50 mm <sup>2</sup>                     |
| <b>AWG size</b>                               | 18 - 14   |
| <b>Contact type</b>                           | Turned silver plated  |
| <b>IP degree of protection</b>                | IP20 without enclosure, IP44/IP66/IP67/IP68/IP69 with enclosure |
| Further technical details                     |   |
| <b>Characteristics according to EN 61984</b>  | 10A 230/400V 4kV 3; 10A 400/690V 4kV 2                          |
| <b>Mating cycles</b>                          | ≥ 500   |
| <b>Insulation resistance</b>                  | ≥ 10 GΩ   |
| <b>Contact resistance</b>                     | ≤ 2 mΩ  |
| <b>Weight</b>                                 | 13,00 g   |
| <b>Operating temperature range (min, max)</b> | -40°C ... +100°C  |
| <b>Conductors stripping length</b>            | 6 mm  |
| <b>UL 94 flammability rating</b>              | V-1   |
| <b>Torque for main contact</b>                | M3: 0,5 Nm; 4,4 lb.in (0,5 x 3 mm)                              |
| <b>Tightening torque for PE connection</b>    | M3: 0,5 Nm; 4,4 lb.in (0,5 x 3 mm)                              |
| <b>Tightening torque for fixing screws</b>    | M3: 0,5 Nm; 4,4 lb.in (Ph1 or 0,8 x 5,5 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  |
| General ordering information     |  |
| <b>EAN13 code</b>                | 8015747027939  |
| <b>eCl@ss 8.1</b>                | 27440205   |
| <b>ETIM 7.0</b>                  | EC000438   |
| Packaging Information            |  |
| <b>Packaging length</b>          | 210,00 mm  |
| <b>Packaging height</b>          | 200,00 mm  |
| <b>Packaging width</b>           | 130,00 mm  |
| <b>Packaging weight</b>          | 2,93 kg  |
| <b>Packaging volume</b>          | 5,46 dm <sup>3</sup>   |
| <b>Packaging description</b>     | Carton box   |
| <b>Packaging quantity</b>        | 200 Pcs  |
| <b>Packaging EAN code</b>        | 8015747027946  |
| <b>Sub-packaging length</b>      | 197,00 mm  |
| <b>Sub-packaging height</b>      | 35,00 mm   |
| <b>Sub-packaging width</b>       | 113,00 mm  |
| <b>Sub-packaging weight</b>      | 0,59 kg  |
| <b>Sub-packaging volume</b>      | 0,78 dm <sup>3</sup>   |
| <b>Sub-packaging description</b> | Carton tray  |
| <b>Sub-packaging quantity</b>    | 40 Pcs   |
| <b>Sub-packaging EAN barcode</b> | 8015747027953  |

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Catalogue drawings



contacts side (front view)



Derating curves

