

Clip-on contact springs are made of copper beryllium (CuBe) with a bright clean surface as standard. CuBe offers excellent electric and thermal conductivity in combination with a high material strength. On request a surface finish like tin-, zinc-, nickel-, silver- or gold-plating can be applied.

The standard program offers a huge variety of contact springs with different mounting methods and dimensions. The contact springs can also be cut to length.

- Different surfaces available
- Custom length available
- Mounting method: clip-on
- Excellent electric and thermal conductivity; high material strength
- Resistance to environmental influences and against corrosion
- High temperature resistance



RoHS



REACH



PRODUCT SPECIFICATIONS

| PROPERTY | VALUE / TOLERANCE |
|-------------------------------|---|
| Basic material | Copper beryllium (CuBe) |
| Surfaces | Blank, gold-, silver-, tin-, nickel-, zinc-plated |
| Density | 8,36 g/cm ³ |
| Thermal expansion coefficient | 17,5 x 10 ⁻⁶ m/m°C @ -20°C – 200°C |
| Thermal conductivity | 105 W/m*K |
| Melting point | 870 °C |
| Electrical conductivity | 17 – 28 % – IACS* |
| Operation temperature | -40 -150 °C |
| Storage humidity | <50 HR |

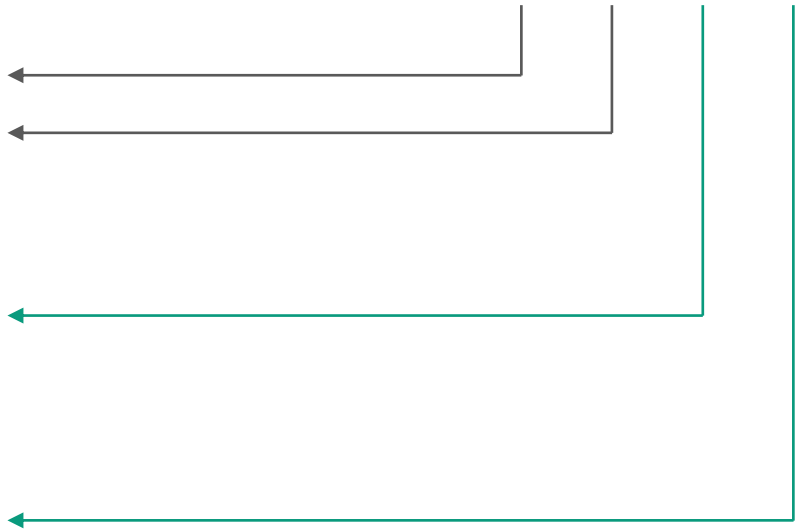
* IACS: International Annealed Copper Standard

Please note: Picture only shows an example of a contact spring.

BUILDING AN ITEM NUMBER

FCB-XXX-YYY-XXF

| | |
|---------------------|-------------------|
| Contact spring CuBe | |
| Part number | |
| BL | Blank |
| AU | Gold-plated |
| AG | Silver-plated |
| SN | Tin-plated |
| NI | Nickel-plated |
| ZN | Zinc-plated |
| xxF | Number of fingers |
| xxx | Length (in mm) |



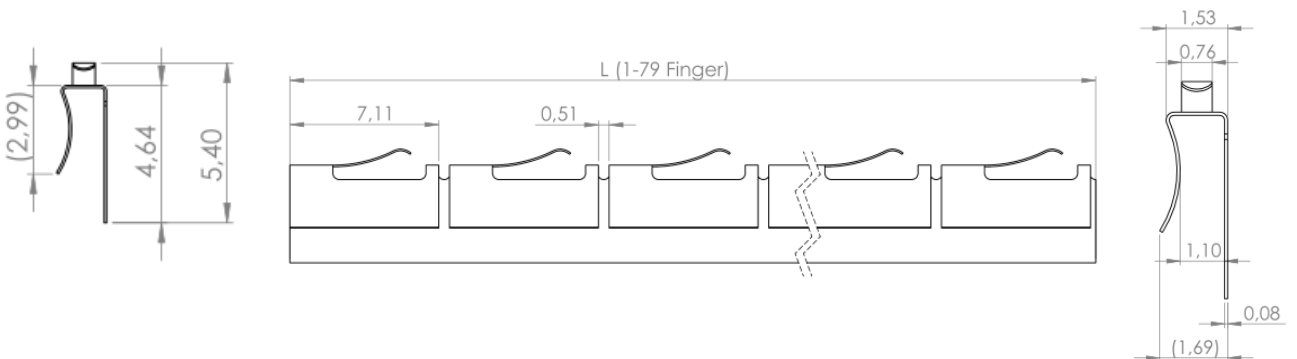
Standard options

EXAMPLE

FCB-296-AU-32F

Contact spring CuBe; contact spring number: 296; gold-plated; length: 32 fingers

DIMENSIONS



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