

# CONTA-CON

## Product Properties



### Insulating Bases

The insulating housings of **CONTA-CON** products are made of high quality PA 6.6-V0 polyamides which are characterized by their UL 94V0 flammability classification. Tracking resistance CTI/600 according to IEC 112/ DIN 0303/ Part 1. For further electric properties please see table below and applicable characteristics.

Standard **CONTA-CON** colours are green, gray, black and orange. Special colours are available on request.

Dovetails and/or snap bars allow two-pole and three-pole units to be converted into multi-pole terminal blocks.

### Characteristics:

- flexible, unsusceptible to fracture
- good electrical and mechanical properties
- improved continuous working temperature compared to PA 6.6-V2
- improved flammability resistance compared to PA 6.6-V2
- fireproofing agents free of halogen and phosphorous
- no dioxin or furan generators

### Polyamide characteristics:

Burning characteristics:	UL 94 V-0
Tracking resistance IEC 112/ DIN VDE 0303 Teil 1:	>600
Spec. volume resistance IEC 93/DIN 53482:	10/13 Ohm x cm
Spec. surface resistance IEC 93/DIN 53482:	10/15 Ohm x cm
Temperature stability:	-30 C°/+105 C°



### Metal Parts

All metal parts contained in **CONTA-CLIP** products are electroplated according to latest processing methods including state-of-the-art surface treatment. As a rule, all steel parts are electrogalvanized with an additional passivation by means of a blue (yellow) chromatic plating being applied to the galvanized coating. In addition to its good and stable electric properties this galvanized coating also acts as an excellent protection against a corrosive ambience. As regards the terminals which are made according to the wire protection principle, the clamping body consists of brass alloy. The stainless steel wire protection is designed to protect the connector from extreme deformation while the electric contact is being kept at an optimum.

The clamping part of the terminals which operate according to the strain-relief clamp principle (lifting principle) are made from brass alloy using a suitable annealing process to keep it free from tension. The nickel plated clamping part surface along with its tinned soldering lug bring about low volume resistance and high corrosion protection.

High quality corrosion and acid resistant steel is used for the tension spring system.