HDC EN 0001

Topic: crimp contacts, connection technology and use

The crimp connection creates a non-releasable connection using a special tool and gas-tight connection between conductor and contact and allows in Connectors highest arrangement densities of the contacts. When using Automatic crimping tools allow efficient processing.

Advantages

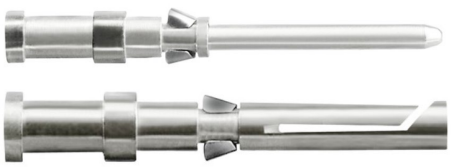
Fast pre-assembly possible. Gas-tight, durable connection technology. Easy to use.

Disadvantages

A crimping tool is required

Pictures of typical HDC crimp contacts

HE Contacts



HD Contacs

Description

A distinction is made between turned contacts and stamped contacts. The distinction arises from the manufacturing process. While one design is being created on a lathe,
the other design is created by bending and punching sheet metal.
The different processes show that the rotated shape is solid and that
die-cut shape hollow inside. Furthermore, the products are distinguished by the different contact surfaces.
Gold and silver alloys are common here. Lower-quality surfaces are also used, such as tin. Gold offers the higher frequency of insertion and lower contact resistance, but is more expensive than other surfaces.
There are different gold alloys and layer thicknesses. Crimp contacts are inserted in a contact chamber and secured against falling out. There are different solutions for this. Either there is a retention mechanism in the contact insert or the contact has a retaining spring, as can be seen in the picture above for the HD contacts.
Crimp contacts can only be processed in connection with certain cross sections of strands.

Contact:
Weidmüller Interface GmbH &Co. KG
Klingenbergstr. 26
32758 Detmold
Tel: 05231 14 29 0
E-mail address for technical questions:
support_hdc@weidmueller.com