Connectors

• HelaCon Plus

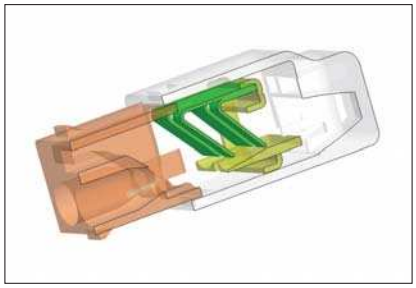
Working with clear visibility

Screwless connectors in the field of house installations are used countless times every day. Although this is routine work it requires a lot of diligence in installing the connectors. A tight and secure fitting is indispensable for a failure-free long-life operation. Less care may otherwise result in damage and overheating, worst case causing a very hazardous situation like a fire. The transparent housings of the new HelaCon Plus connector series allows a fast and easy optical control whether the conductor fits to the catch. This is a non negligible factor for safety and will expedite acceptance tests of the complete electrical installation.

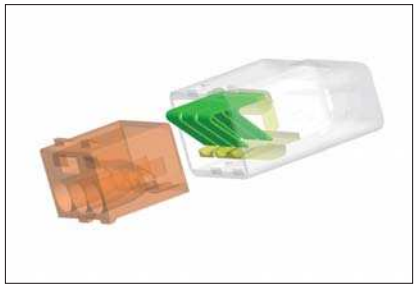
Easy push-in, safe fitting and optical check due to newly developed double spring.

Newly developed double spring technology

The more connectors that are used for wiring a connection, the more important it is to handle and process them easily and conveniently. Along with a secured fitting this was the utmost aim of the development of the double spring technology. Both springs have major roles to play. The first one allows very low push-in forces that are especially helpful when using multicore conductors. The second spring secures the fixing very tightly. This results in a comfortable use of the connectors and maximum safety at the same time.



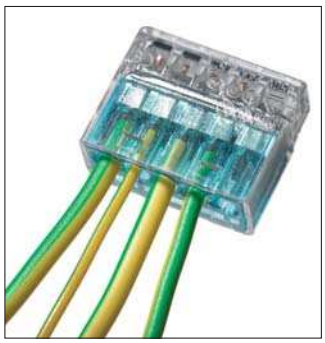
Sectional drawing of HelaCon Plus.



View through the housing shows the double spring.

Different wire types and cross-sections

The low push-in forces due to the latest double spring technology enables the use of single and multicore conductors.
The free fixing of each double spring allows the concurrent use of various conductor cross-sections between 0.5 and 2.5 mm² within one connector without impact on the adjacent connection. Please note that HelaCon Plus is not designed for fine-stranded wires.



Any cross-section between 0.5 and 2.5 mm² can be used concurrently.

Connectors

- **HelaCon Plus**

Features and Benefits

HelaCon Plus is a sophisticated push-in wire connector for professional cable connections in electrical housing applications.

The newly developed double spring allows easy processing and will support installers especially in tricky situations like overhead work. This ensures proper fixing that can optically be checked through the transparent housings. Different colour codes provide a comfortable identification of the different connectors. A separate voltage test entry on the front guarantees safety during application, installation and maintenance.

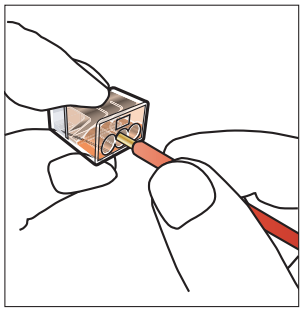
Application

The HelaCon connectors are used for fast, easy and reliable connection and distribution of cable and conductors in the field of electrical housing applications.

Application Method

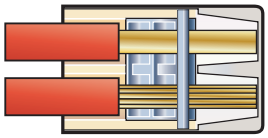
- Make sure that power is turned off before installation
- Solid and stranded copper conductors can be used
- Strip them off approximately 11 mm
- Insert them completely into the connector
- Use voltage tester via separate test entry
- To change or correct a wire, hold and twist it alternatively left and right while pulling the connector

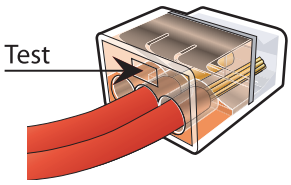
A huge variety of connectors from 2 to 8 poles is available according to the application. The transparent housings allow a quick and easy checking of the conductor fitting.



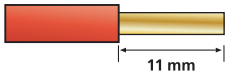
The double spring allows easy push-in of the conductor.

HelaCon Plus– newly developed double spring technology.

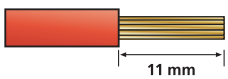




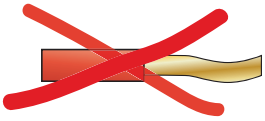
A separate test entry on the front allows the use of a voltage meter.

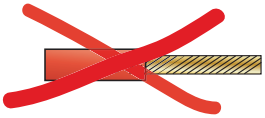


Solid 0.5 - 2.5 mm²



Stranded 0.5 - 2.5 mm²





Fine Stranded

Connectors

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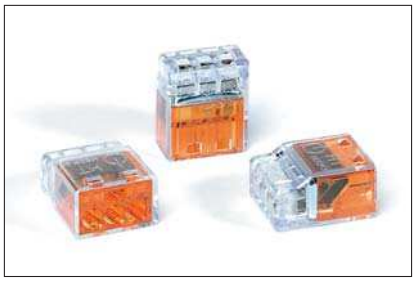
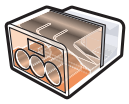


HECP-3.

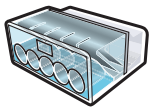
HECP-5.

HECP-2

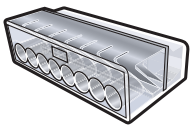


HECP-3

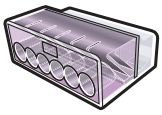
HECP-4



HECP-5



HECP-8



HECP-6

Material Data

Material Housing	**Polycarbonate (PC)**
Material Plated Brass	**Brass Tinned**
Material Spring Plate	**Stainless Steel (SS)**
Max Current	**24 A**
Max Voltage	**600 V**
Wire Range (cULus)	**AWG 12 to 22 solid/stranded**
Wire Range (VDE)	**0.5 to 2.5mm² solid/stranded (max 7 cores)**
Stripping Length	**11 mm**
Flammability	**UL94 V2**
Operating Temperature	**-30 °C to +105 °C**
Specification	**VDE, cULus, NEMKO, SEMKO, DEMKO, FIMKO, CE, KEMA-KEUR, Germanischer Lloyd, ENEC**

RoHS

Technical Table

Article-No.	Type	Colour	Number of Conductors	Width (W)	Height (H)	Depth (D)	Pack Cont.
148-90000	**HECP-2**	Transparent (CL), Yellow (YE)	2	11.75	10.45	19.00	100
148-90001	**HECP-3**	Transparent (CL), Orange (OG)	3	15.90	10.45	19.00	100
148-90002	**HECP-4**	Transparent (CL)	4	20.05	10.45	19.00	75
148-90003	**HECP-5**	Transparent (CL), Blue (BU)	5	24.20	10.45	19.00	50
148-90004	**HECP-6**	Transparent (CL), Violet (VT)	6	28.35	10.45	19.00	50
148-90005	**HECP-8**	Transparent (CL), Grey (GY)	8	36.65	10.45	19.00	40

All dimensions in mm. Subject to technical changes.