

New Program



HELUTEK
Circular
Connectors



HELUTEC – Hightech connector solutions

HELUTEC – the new cable accessory program from HELUKABEL. Signal and power circular connector series for industrial applications.

The product design of HELUTEC connectors combines functional construction advantages and ease of use for reduced assembling times.

HELUTEC connectors – a sign of innovation

The modular and protected design integrates a maximum of functionality, thus offering identical processing of all connector series and time-saving assembling in every detail.

A significant advantage acknowledged by engineers and technicians in automation, drive control or cable assembly business.



Our modular design reduces connector assembling efforts to a minimum

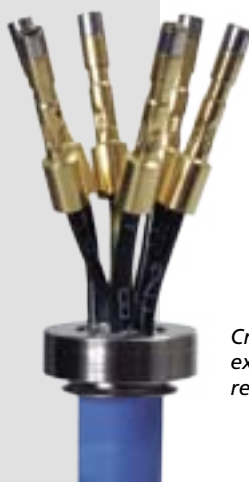
The new program offers standard signal and power versions as well as application optimized or customer specific connectors. In conjunction with many years of experience in developing and manufacturing cable solutions, HELUKABEL customers will benefit from a full range of innovative products and services from special cables to high quality connectors.



Less components – lower costs

Our advanced contact system guarantees excellent reliability even under the harshest environmental conditions (including shock or vibration).

Multiple usability reduces the number of components needed for correct assembly. For example: within a defined series male and female contacts fit all types of insulation inserts.



Crimping type contacts offer excellent contact safety and reliability

HELUTEK connectors – Competence for quality

HELUKABEL stands for creative solutions in the cable and connection techniques. Currently more than 400 employees serve some 20,000 customers world-wide to fulfil this basic principle.

Our quality system applies to DIN EN ISO 9001:2000, and HELUKABEL also holds all international certifications required for connectors, e.g. VDE, UL/CSA and CCC.

Solutions customers can rely on.

HELUTEK connectors are sealed to IP67 (when connected), and all materials used for our connector solutions apply to UL/V0 and VDE listing.



Practically all systems available on the international markets are compatible with HELUTEK connectors.

Looking for a special connector or technical modification?

Don't hesitate to contact us. Together we will develop a solution for your connector application.

Our engineers are also specialized in developing combined cable and connector solutions or application optimized modifications, e.g. for use in difficult environmental conditions.





HELUTEC A Series Signal circular connectors

M23 type connector housings are also available in stainless steel.
Housings with external thread offer standard vibration protection.



Plug, nickel plated



Extension and receptacle, nickel plated



Receptacle angled, chromated



Plug and receptacle, nickel plated



Extension, nickel plated

M23 TYPE CONNECTORS

Standard housing designs:

- Plug (standard) or Push-Pull version, angled plug
- Extension (standard) or with central fixing
- Bushing
- PG 13.5 type receptacle
- Receptacle straight with integrated flange
- Receptacle angled (fixed) or receptacle angled (rotatable) with different flange sizes

Some housing designs are available in plastic covered versions.

Insulation inserts:

- P type, E types, specials



P type



E type

No. of contacts:

- [8+1], 9, 12, 16, 17, [16+3]

Max. voltage (AC/DC):

- [8+1], 9, 12 contacts: 160V
- 16, 17, [16+3] contacts: 125V

Max. amperage:

- [8+1], 9, 12 contacts: 10A
- 16, 17, [16+3] contacts: 9A

26 CONTACTS CONNECTORS

Standard housing designs:

- Plug
- Extension
- Receptacle straight

Max. voltage (AC/DC): 60V

Max. amperage: 9A



Easy handling:
HELUTEC service packs

HELUTEK B Series Power circular connectors – Size 1

*B series connector housings are also available in stainless steel.
All power connector housings with external thread offer standard vibration protection.*

Standard housing designs:

- Plug (short or long design),
Push-Pull version, angled plug
- Extension (standard) or
with central fixing
- Bushing
- Receptacle straight, short or long
design
- Receptacle angled (fixed) or
receptacle angled (rotatable)
with different flange sizes

No. of contacts:

- 6, 8 or 9 contacts versions

Max. voltage (AC/DC): 630 V

Max. amperage: 30 A



*New: Single contact connectors,
providing 8 built-in coding options –
max. amperage: 150A (630V AC/DC)*



Plug, nickel plated



Extension, nickel plated



Receptacle straight, nickel plated

HELUTEK C Series Power circular connectors – Size 1.5

Standard housing designs:

- Plug, angled plug
- Extension
- Bushing
- Receptacle straight, short or long
design
- Receptacle angled (fixed) or
receptacle angled (rotatable)

No. of contacts:

- 6 or 8 contacts versions

Max. voltage (AC/DC): 630 V

Max. amperage: 75 A



Plug, nickel plated



Receptacle angled, nickel plated



HELUTEC D Series Power circular connectors – Size 3

Please note:

Plug type housings offer integrated vibration protection.



Plug, nickel plated



Extension, nickel plated

Standard housing designs:

- Plug
- Extension
- Receptacle straight
- Receptacle angled

No. of contacts:

- 4, 6 or 8 contacts versions

Max. voltage (AC/DC): 630V

Max. amperage: 150A

Plug and extension housings are nickel plated. The handle area is plastic covered.



HELUTEC F Series Combined circular connectors

HELUTEC F series connectors provide signal and power contacts, combined in a single housing. Separate shielding of signal and power wires provide excellent EMC conformity.



Plug, nickel plated



Extension, nickel plated

Standard housing designs:

- Plug
- Extension
- Bushing
- Receptacle straight, alignable or with integrated flange
- Receptacle angled with flange or with connecting thread

No. of contacts:

15 to 25 contacts versions (depending on signal insulation insert combined)

Max. voltage (AC/DC): 630V

Max. amperage: 30A

Service packs A/B/C SERIES

HELUTEK connectors are delivered as service packs – including contacts (not mounted) and mounting instruction. Customer specific service packs on request.



A series signal connectors



B series power connectors



C series power connectors

Service packs for A series signal connectors

Part No.	Ordering code	Plug Kind and no. of contacts	Contacts	Cable clamping from / to [mm]	Pack. unit
910500	ASTA021FR11610035369	Plug – Code 0 12x Female crimping contacts	12 E	9 - 13.2	1
910501	ASTA021FS13610035370	Plug – Code 0 12x Female soldering contacts	12 E	9 - 13.2	1
910502	ASTA035FR11610035371	Plug – Code 0 17x Female crimping contacts	17 P	9 - 13.2	1
910503	ASTA035FS13610035372	Plug – Code 0 17x Female soldering contacts	17 P	9 - 13.2	1
910504	ASDA021FR11610035305	Angled plug – Code 0 12x Female crimping contacts	12 E	9 - 13.2	1
910505	ASDA021FS13610035306	Angled plug – Code 0 12x Female soldering contacts	12 E	9 - 13.2	1
910506	ASDA035FR11610035307	Angled plug – Code 0 17x Female crimping contacts	17 P	9 - 13.2	1
910507	ASDA035FS13610035308	Angled plug – Code 0 17x Female soldering contacts	17 P	9 - 13.2	1

Service packs for B series power connectors – size 1

Part No.	Ordering code	Plug Kind and no. of contacts	Contacts	Cable clamping from / to [mm]	Pack. unit
910510	BSTA085FR03580035361	Plug 6x Female crimping contacts 003	6	9.0 - 14.5	1
910511	BSTA078FR05580035362	Plug 4x Female crimping contacts 003 4x Female crimping contacts 001	8	9.0 - 14.5	1

Service packs for C series power connectors – size 1.5

Part No.	Ordering code	Plug Kind and no. of contacts	Contacts	Cable clamping from / to [mm]	Pack. unit
910520	CSTA263FR52260001320	Plug with female crimp. contacts: 4x 042 plus 2x 003	6	9.0 - 16.5	1
910521	CSTA264FR48260001321	Plug with female crimp. contacts: 4x 042 plus 4x 003	8	9.0 - 16.5	1

Any question about HELUTEK connectors? Don't hesitate to contact our Center of competence: Cable protective systems/ accessories and cable assembly:
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Fax 0 71 50 / 95 92 25
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