

# HICON<sup>®</sup>

## CONNECTORS

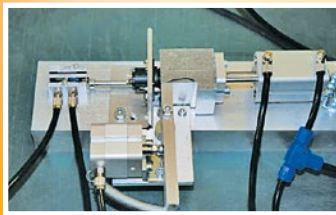
**HICON** is a German company which produces high-quality connectors and components not only in Germany, but other European countries and in Asia (Taiwan).

**HICON** is regarded as being very innovative, the company also produces complex custom solutions for the media technology sector.

**HICON** offers a huge variety of high-quality connectors at fair prices. By the way, **HICON** connectors are well known for their countless numbers of plug cycles and an easy handling, this is why they are already used at countless TV and broadcasting stations.

To ensure a long-lasting and dependable quality, the mating cycles are tested

with an automatic machine custom-made by **SOMMER-TECHNIK**.



With transparent code ring for your individual labels!



**We offer a 5-year warranty on HICON connectors!**

Before buying a connector, one should always make sure to purchase brand quality, because inferior connectors often have high contact impedances, thus busting the benefits of a good cable.

#### Important facts to look out for:

- A **decent gold-plating or coating** (cheap connectors often have only a gold-coloured lacquer finish!)
- A **massive pin** with no gaps due to rivets, pressing etc.
- Low contact resistances

**HICON** connectors are developed by authorised connector professionals, also with the involvement of staff members from the **SOMMER CABLE** team who are on hand with help and a great deal of experience.



For more information please visit

[www.hicon-connectors.com](http://www.hicon-connectors.com)  
[www.hicon-hifi.com](http://www.hicon-hifi.com)

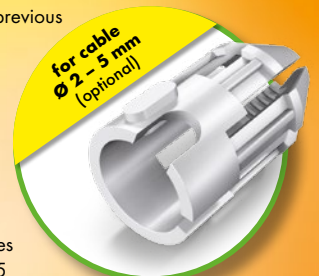
### The **HICON** XLR connectors (Mark II)

in a modern and slimmer design offer some clever technical details. The most prominent optical feature of this connector are the three lateral handle strips (rather than the previous 5).

A guide slot is to prevent the annoying and unwanted tilting of the inlet which helps to reduce the assembly time. A second guide slot on the housing prevents the numbered code rings (available as an option) from slipping.

The reinforced strain relief provides stability and results in strain relief forces that could be improved by another 15 %. Furthermore an appropriate strain relief is optionally available for cables with a lesser gauge (< 3.6 mm), so that it can grip really well even with thinner cables.

This strain relief displays its advantages above all when used on multipair splices.





As of now **HICON** will supply a new, **super robust plug housing** and the matching **panel socket** for all RJ45 connectors (CAT.5e, CAT.6a). The housing and closing cap are made of metal, the connector has a reliable strain relief and can take up to AWG22. The robust sleeve support can be fitted with colour code rings.

Of course we will supply these connectors also in finished versions with the corresponding rugged **SOMMER CABLE CAT** lines.



**Let there be light...**

R&D team has also done a great job when it comes to optical fibres: The brandnew **HICON HI-FIBER connector** fits on all common fibre optical cables. With some practice and our toolbox you can even carry out a repair yourself on site in case of average.

Our road-proof **HICON HI-FIBER connection system** is based on four optical LC fibre optical lines which are protected by a robust, compact metal housing technology. It consists of a cable plug and a panel socket in the compact D-shape format, which can also be used as a universal cable extension coupling (cascading).



Via the socket you can also link the **HICON HI-FIBER system** with a max. of four conventional LC cables (or else two LC-Duplex lines) and connect it to existing LC systems – simply plug in LC and you're done!

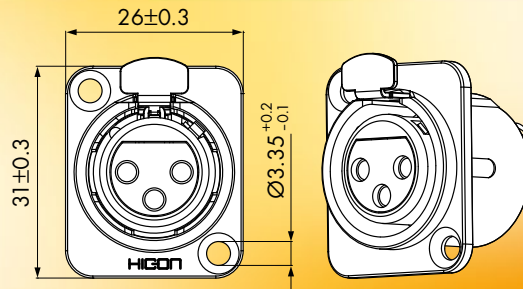
The **HICON HI-FIBER4-MC cable plug** can be fitted with up to four LC connectors which are assembled and pushed into the quad fixture after inserting the cable. The protective cap and a spring-loaded protection sleeve will save the sensitive fibre system from dirt and damages.

More information can be found on the following pages ("HICON Connectors") or under [www.sommercable.com](http://www.sommercable.com) or [www.hicon-connectors.com](http://www.hicon-connectors.com)



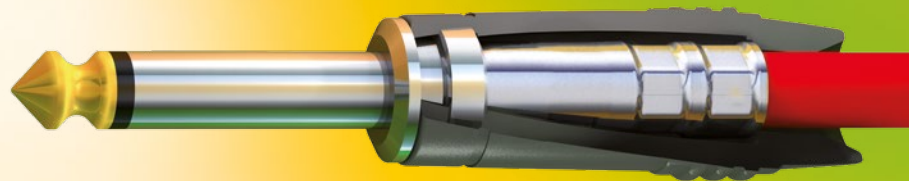
**The XLR cable and panel sockets** have a special spring made of a hardened material to guarantee a great number of mating cycles.

With the **HICON MKII** series the pins are silver-plated and hence can be soldered even faster and easier.



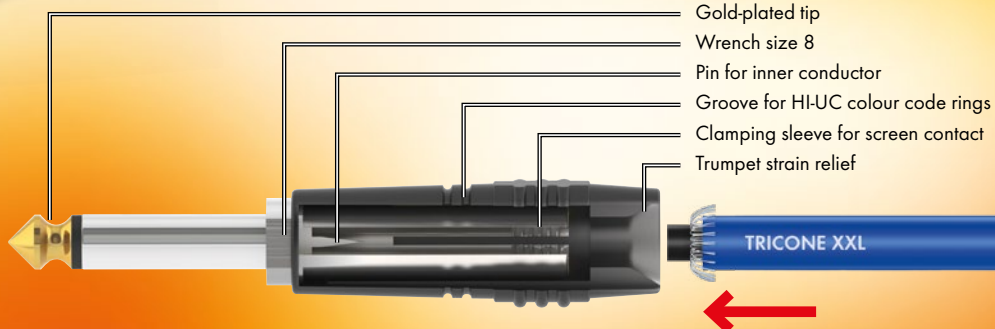
**TRICONE XXL – The world first from HICON!**

Greeted with much applause was the new finishing system where jack plug connectors designed by **HICON** can be mounted solder-free, gas-free and almost with no appreciable contact resistances and then fixed by a double hexagonal crimping! With unbelievable **230 Newtons** the **strain relief forces** of this cable/plug combination are far and away superior to other cable connections.



**GAS FREE CONNECTION**

As of now the **TRICONE XXL jack plug** is also available for **solder-free DIY assembly!** Simply strip off 3 to 4 mm of the outer jacket, fold back the screen, push in up to the stop, tighten firmly – done!







1

NEW!



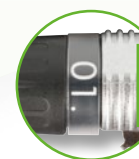
2

**3-pole XLR BASIC, silver-plated contacts**

Nickel-plated metal shell  
Black plastic cap

**with transparent ring for  
your individual labelling.**

3-chuck collet strain relief  
for cable Ø 3.5 to 7.0 mm



With transparent code ring  
for your individuals labels!

**DESCRIPTION**

- 1 3-pole male. Turned, silver-plated contacts  
2 3-pole female. Silver-plated contacts

**ORDER NO.  
male**

**HI-X3CM-V**

**ORDER NO.  
female**

–  
**HI-X3CF-V**



3

NEW!



4

**3-pole XLR BASIC, silver-plated contacts**

Black metal shell, non-conductive surface  
Black plastic cap

**with transparent ring for  
your individual labelling.**

3-chuck collet strain relief  
for cable Ø 3.5 to 7.0 mm



With transparent code ring  
for your individuals labels!

**DESCRIPTION**

- 3 3-pole male. Turned, silver-plated contacts  
4 3-pole female. Silver-plated contacts

**ORDER NO.  
male**

**HI-X3CM-BLK**

**ORDER NO.  
female**

–  
**HI-X3CF-BLK**



5



6

**3-pole XLR, silver-plated contacts**

Black metal housing, **90° angled** (insert non-rotatable).  
For cable Ø 6.0 to 8.0 mm.

With dual strain relief and replacement screw.

**DESCRIPTION**

- 5 3-pole male. Turned, silver-plated contacts  
6 3-pole female. Silver-plated contacts

**ORDER NO.  
male**

**HI-X3RM-M**

**ORDER NO.  
female**

–  
**HI-X3RF-M**



HICON ▶ Audio ▶ **HICON XLR CABLE CONNECTORS**



The **HICON** connectors come over big in the audio and industry sector. Our customers value the plain design, the high quality and the serious price structure.

The **HI-XCM3** and **HI-XCF3** "Designed in Germany" XLR connectors of the **PRO** series are very robust, exceedingly well crafted, have a reliable 6-jaw chuck strain relief and are quick and very easy to solder.

The standard strain relief (for cable Ø from 4.0 mm to 8.5 mm) offers important benefits over other systems:

- The strain relief force is about twice as high as in conventional systems, yet the cable is still being protected!
- Even with large cable diameters the force of the chuck jaws is spread over a greater area, whereas with other products the soft PVC of the microphone cables is often squeezed out at the side.

For cable diameters < 4 mm please order the **HI-XSR40** strain relief accessory.

The **HI-X3CM-G** and **HI-X3CF-G** versions come with both strain reliefs for cable Ø from 2.0 mm to 8.5 mm. Perfect for a flexible on-site assembly with installations!

New to our product line are the economically priced, very compact **BASIC** versions **HI-X3CM-V** and **HI-X3CF-V** for the assembly of budget audio cables which are fitted with a standard 3-jaw chuck strain relief, nickel-plated or black, a non-conductive metal shell, a robust plastic cap and a transparent ring for subsequent labelling.

**We offer you a 5-year warranty on the HICON XLR connectors.**

A selection of XLR adapters can be found on the following pages under the "Audio Adapters" section!

**HICON BASIC standard strain relief systems**



**HICON PRO strain relief**



**3-pole XLR PRO, nickel-plated contacts**  
Metal housing mat silver finish (velvet chrome), black plastic cap **with transparent ring for your individual labelling.**  
6-jaw chuck strain relief for cable Ø 4.0 to 8.5 mm.



With transparent code ring for your individuals labels!

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Turned, nickel-plated contacts	<b>HI-X3CM</b>	-
2 3-pole female. Nickel-plated contacts	-	<b>HI-X3CF</b>



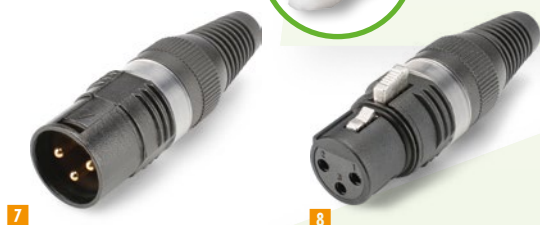
**3-pole XLR PRO, silver-plated contacts**  
Black metal housing.  
6-jaw chuck strain relief for cable Ø 4.0 to 8.5 mm.



With transparent code ring for your individuals labels!

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 3-pole male. Turned, silver-plated contacts, <b>Black plastic cap</b>	<b>HI-X3CM-B</b>	-
4 3-pole female. Silver-plated contacts, <b>Black plastic cap</b>	-	<b>HI-X3CF-B</b>
5 3-pole male. Turned, silver-plated contacts, <b>Black metal cap</b>	<b>HI-X3CM-M</b>	-
6 3-pole female. Silver-plated contacts, <b>Black metal cap</b>	-	<b>HI-X3CF-M</b>

Incl. strain relief HI-XSR40 for cable Ø 2.0 to 5.0 mm



**3-pole XLR PRO, gold-plated contacts**  
Metal housing and black metal cap.  
6-jaw chuck strain relief for cable Ø 4.0 to 8.5 mm plus extra strain relief HI-XSR40 for cable Ø 2.0 to 5.0 mm.



With transparent code ring for your individuals labels!

DESCRIPTION	ORDER NO. male	ORDER NO. female
7 3-pole male. Turned, gold-plated contacts	<b>HI-X3CM-G</b>	-
8 3-pole female. Gold-plated contacts	-	<b>HI-X3CF-G</b>



HICON ▶ Audio ▶ **HICON XLR CABLE CONNECTORS**

1



2

**4-pole XLR PRO, gold-plated contacts**

Black metal housing, black metal cap.  
With 6-jaw chuck strain relief  
For cable Ø 4.0 to 8.5 mm.

**DESCRIPTION**

- 1 4-pole male. Turned, gold-plated contacts  
2 4-pole female. Gold-plated contacts

**ORDER NO.  
male****HI-X4CM-G****ORDER NO.  
female**

-

**HI-X4CF-G**

With transparent code ring  
for your individuals labels!



3



4



5



6

**5-pole XLR PRO, silver-plated contacts**

Black metal housing.  
With 6-jaw chuck strain relief  
Standard strain relief for cable Ø 4.0 to 8.5 mm.

**DESCRIPTION**

- 3 5-pole male. Turned, silver-plated contacts,  
**Black plastic cap**  
4 5-pole female. Silver-plated contacts,  
**Black plastic cap**  
5 5-pole male. Turned, silver-plated contacts,  
**Black metal cap**  
6 5-pole female. Silver-plated contacts,  
**Black metal cap**

**ORDER NO.  
male****HI-X5CM-B****ORDER NO.  
female**

-

**HI-X5CF-B****HI-X5CM-M**

-

**HI-X5CF-M**

With transparent code ring  
for your individuals labels!



7



8

**5-pole XLR PRO, gold-plated contacts**

Black metal housing, black metal cap.  
With 6-jaw chuck strain relief  
For cable Ø 4.0 to 8.5 mm.

**DESCRIPTION**

- 7 5-pole male. Turned, gold-plated contacts  
8 5-pole female. Gold-plated contacts

**ORDER NO.  
male****HI-X5CM-G****ORDER NO.  
female**

-

**HI-X5CF-G**

With transparent code ring  
for your individuals labels!



HICON ▶ Audio ▶ **HICON XLR connector HI-MARLIN**, splash- and dustproof IP67\***HICON**  
CONNECTORS*A true all-rounder ...*

is the new **HICON XLR connector HI-MARLIN**. This connector does not only look good and lies ergonomically in the hand; due to its special design it also solves many problems an installation or event technician might be faced with.

These **HICON HI-MARLIN XLR** connectors, which are splash- and dustproof according to IP67\*, repel a direct water jet or infiltrating moisture and may even lay directly in the water without impairing its function.

Many new cables of the professional audio technology sector have a gas-injected foam insulation, which is why standard chuck strain reliefs are not ideal. They would squash the delicate wire insulations, thereby affecting the electrical values. Here the lamellar seal with internal grommet offers the perfect solution. The pressure of the strain relief is evenly spread over the entire cable diameter and squeezes no bumps into the jacket and insulation material.



Special emphasis is placed on the locking device, which is very convenient and extremely durable. It has no long spring travels and the pressure spring-loaded mechanism is located in the locking knob instead of the contact base, as is usually the case. This also guarantees an easy and fuss-free mounting or cable assembly.

These connectors are loyal companions in particularly wet situations such as the installation in leisure parks, near the coast, in ship and boat building, with outdoor festivities like Christmas markets, funfairs, skiing events, in sediment technology etc.

The **HICON HI-MARLIN XLR** connectors are salt water and UV-resistant. **Available in 3- and 5-pole versions and also as water-resistant microphone or AES/EBU cable, ready for connection**, see chapter "Ready-made Cables".

**APPLICATIONS**

- Installation at outdoor events, in ship and boat building, skiing events etc.
- Permanent connections in coastal areas

**PRODUCT ADVANTAGES**

- No infiltration of water, dirt, moisture, sand
- Splash- and dustproof according to IP67\*
- Very good handling with pleasant plug-in sensation
- AES/EBU conform (no vibration contact)
- Special cable-protecting strain relief
- High mating cycles due to intelligent, zero-wear locking mechanism
- Fast and easy assembly

**3-pole XLR, splash- and dustproof IP67\*, silver-plated contacts**

Nickel-plated metal housing, nickel-plated metal cap  
Standard strain relief for cable Ø 4.6 to 6.5 mm

**NEW!**

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Turned, silver-plated contacts	<b>HI-X3CM-HD</b>	-
2 3-pole female. Silver-plated contacts	-	<b>HI-X3CF-HD</b>
3 5-pole male. Turned, silver-plated contacts	<b>HI-X5CM-HD</b>	-
4 5-pole female. Silver-plated contacts	-	<b>HI-X5CF-HD</b>

**3-pole XLR, splash- and dustproof IP67\*, gold-plated contacts**

Black metal housing, black metal cap  
Standard strain relief for cable Ø 4.6 to 6.5 mm

**NEW!**

DESCRIPTION	ORDER NO. male	ORDER NO. female
5 3-pole male. Turned, gold-plated contacts	<b>HI-X3CM-HD-B</b>	-
6 3-pole female. Gold-plated contacts	-	<b>HI-X3CF-HD-B</b>
7 5-pole male. Turned, gold-plated contacts	<b>HI-X5CM-HD-B</b>	-
8 5-pole female. Gold-plated contacts	-	<b>HI-X5CF-HD-B</b>

\* when plugged



CONNECTORS

**NEW!**



**Protective cap with fixing rope**

as a protection against soiling,  
suitable for all XLR connectors from HICON and NEUTRIK  
Material: thermoplastic rubber (TPR)

**DESCRIPTION**

Protective cap

**ORDER NO.**

**CAP-19MM**



**Strain relief for HICON XLR, straight type**

For cable Ø 2.0 - 5.0 mm.

**DESCRIPTION**

Optional strain relief

**ORDER NO.**

**HI-XSR40**



Mounting example



**Silicone colour rings, elastic**

For all HICON connectors with knurled housing.  
**10-pack**, multiple colour coding (resistance code) also possible.  
Not suitable for subsequent installation.

**COLOUR**

- Red
- Yellow
- Green
- Blue
- White

**ORDER NO.**  
**10-pack**

**HI-UC-RT**  
**HI-UC-GE**  
**HI-UC-GN**  
**HI-UC-BL**  
**HI-UC-WS**



**Colour code rings for HICON XLR, straight type**

**COLOUR**

- Red
- Orange
- Yellow
- Green
- Blue
- Violet
- Black
- Brown
- Grey
- White
- Transparent

**ORDER NO.**  
**per pc.**

**HI-XC-RT**  
**HI-XC-OR**  
**HI-XC-GE**  
**HI-XC-GN**  
**HI-XC-BL**  
**HI-XC-VI**  
**HI-XC-SW**  
**HI-XC-BR**  
**HI-XC-GR**  
**HI-XC-WS**  
**HI-XC-TR**

**Numbered rings, anti-twist, half wide**

**10-pack**, for HICON XLR, straight type.  
Ideal for channel labelling max. 48 in / 16 out systems



**COLOUR**

- White
- White
- White
- White
- White
- White
- White
- Red
- Red

**OVERPRINT**

- 10 rings, one ring each with numbers "0" - "9"
- 10 rings with number "0"
- 10 rings with number "1"
- 10 rings with number "2"
- 10 rings with number "3"
- 10 rings with number "4"
- 10 rings, one ring each with numbers "0" - "9"
- 5 rings with number "0", 5 rings with number "1"

**ORDER NO.**  
**10-pack**

**HI-XC-09-WS**  
**HI-XC-00-WS**  
**HI-XC-10-WS**  
**HI-XC-20-WS**  
**HI-XC-30-WS**  
**HI-XC-40-WS**  
**HI-XC-09-RT**  
**HI-XC-05-RT**



HICON ▶ Audio ▶ **XLR PANEL CONNECTORS**



**3-pole XLR, nickel-plated contacts**  
Nickel-plated metal housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Turned, nickel-plated contacts	HI-X3DM	-
2 3-pole female. Nickel-plated contacts	-	HI-X3DF



**3-pole XLR, silver-plated contacts**  
Black metal housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 3-pole male. Turned, silver-plated contacts	HI-X3DM-M	-
4 3-pole female. Silver-plated contacts	-	HI-X3DF-M
5 3-pole male. Turned, silver-plated contacts, <b>M3 thread, ideal for rear mounting</b>	HI-X3DM-M3	-
6 3-pole female. Silver-plated contacts, <b>M3 thread, ideal for rear mounting</b>	-	HI-X3DF-M3



**3-pole XLR, gold-plated contacts**  
Black metal housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
7 3-pole male. Turned, gold-plated contacts	HI-X3DM-G	-
8 3-pole female. Gold-plated contacts	-	HI-X3DF-G



**3-pole XLR, silver-plated contacts**  
Black plastic housing.  
Universal D flange.

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
9 3-pole male. Turned, silver-plated contacts	HI-X3DM-P	-
10 3-pole female. Silver-plated contacts non-locking	-	HI-X3DF-P



CONNECTORS

## HICON ▶ Audio ▶ XLR PANEL CONNECTORS



1



2

**3-pole XLR, gold-plated solder contacts, style variant A**

Black plastic housing.

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Turned, gold-plated solder contacts	HI-X3AM	-
2 3-pole female. Gold-plated solder contacts	-	HI-X3AF

**NEW!**

3



4

**3-pole XLR, type A, PCB version, gold-plated contacts, vertical mounting, solderable**

Black plastic housing

Dimensional drawings can be found under [www.sommercable.com](http://www.sommercable.com) on the matching product page.

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 3-pole male	HI-X3AM-PV	-
4 3-pole female, with steel locking	-	HI-X3AF-PV

5

**XLR/Jack combo panel socket, gold-plated solder contacts**

Black plastic housing.

For universal D flange.

DESCRIPTION	ORDER NO. male	ORDER NO. female
5 3-pole XLR/Jack stereo. Solder type	HI-XJEF6S	-

**Matching screws for:**

HI-X3AM, HI-X3AF,  
HI-X3AM-PV, HI-X3AF-PV,  
HI-XJEF6S

Cheese head:

**S-P3118**

VPE: 25 pcs.

Countersunk:

**S-P3339**

VPE: 25 pcs.



6



7

**4-pole XLR, gold-plated contacts**

Black metal housing.

Universal D flange

**SYS BOXX D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
6 4-pole male. Turned, gold-plated contacts	HI-X4DM-G	-
7 4-pole female. Turned, gold-plated contacts	-	HI-X4DF-G



8



9

**5-pole XLR, silver-plated contacts**

Black metal housing.

Universal D flange.

**SYS BOXX D**

10



11

DESCRIPTION	ORDER NO. male	ORDER NO. female
8 5-pole male. Turned, silver-plated contacts	HI-X5DM-M	-
9 5-pole female. Silver-plated contacts	-	HI-X5DF-M
10 5-pole male. Turned, silver-plated contacts <b>M3 thread, ideal for rear mounting</b>	HI-X5DM-M3	-
11 5-pole female. Silver-plated contacts <b>M3 thread, ideal for rear mounting</b>	-	HI-X5DF-M3



12



13

**5-pole XLR, gold-plated contacts**

Black metal housing.

Universal D flange.

**SYS BOXX D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
12 5-pole male. Turned, gold-plated contacts	HI-X5DM-G	-
13 5-pole female. Gold-plated contacts	-	HI-X5DF-G



HICON ▶ Audio ▶ **MINI XLR CONNECTORS**



**Mini XLR, gold-plated contacts**




Nickel-plated metal housing.  
Max. cable diameter 3.5 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 3-pole male. Turned, gold-plated contacts	HI-XMCM3	-
2 3-pole female. Gold-plated contacts	-	HI-XMCF3
3 4-pole male. Turned, gold-plated contacts	HI-XMCM4	-
4 4-pole female. Gold-plated contacts	-	HI-XMCF4
5 5-pole male. Turned, gold-plated contacts	HI-XMCM5	-
6 5-pole female. Gold-plated contacts	-	HI-XMCF5



**Mini XLR, gold-plated contacts**

Nickel-plated metal housing, outside thread Ø 10.9 mm.

DESCRIPTION	ORDER NO. male	ORDER NO. female
7 3-pole male. Turned, gold-plated contacts	HI-XMEM3	-
8 3-pole male. Turned, gold-plated contacts, <b>Universal D flange</b>	HI-XMDM3 	-
9 4-pole male. Turned, gold-plated contacts	HI-XMEM4	-
10 4-pole male. Turned, gold-plated contacts, <b>Universal D flange</b>	HI-XMDM4 	-
11 5-pole male. Turned, gold-plated contacts	HI-XMEM5	-
5-pole male. Turned, gold-plated contacts, <b>Universal D flange</b>	HI-XMDM5 	-



**Mini XLR, gold-plated contacts**

Nickel-plated metal housing.  
Hole cutout 17.1 x 11.4 mm (Ø 2.8 mm). Flange 24.4 x 18.8 mm (H x W).

DESCRIPTION	ORDER NO. male	ORDER NO. female
12 3-pole female. Gold-plated contacts	-	HI-XMEF3
13 4-pole female. Gold-plated contacts	-	HI-XMEF4
14 5-pole female. Gold-plated contacts	-	HI-XMEF5

CONNECTORS

HICON ▶ Audio ▶ **MINI XLR CONNECTORS IP67\*****IP67** EXTRA ROBUST**NEW!****For highest professional demands!****Mini XLR, splash- and dustproof IP67\***Steel housing with cap nut, **nickel-plated**  
Max. cable Ø 4.9 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>1</b> 3-pole male. Turned, gold-plated contacts	<b>HI-XMCM3-HD</b>	-
<b>2</b> 3-pole female. Gold-plated contacts	-	<b>HI-XMCF3-HD</b>
<b>3</b> 4-pole male. Turned, gold-plated contacts	<b>HI-XMCM4-HD</b>	-
<b>4</b> 4-pole female. Gold-plated contacts	-	<b>HI-XMCF4-HD</b>
<b>5</b> 5-pole male. Turned, gold-plated contacts	<b>HI-XMCM5-HD</b>	-
<b>6</b> 5-pole female. Gold-plated contacts	-	<b>HI-XMCF5-HD</b>

**IP67** EXTRA ROBUST**NEW!****For highest professional demands!****Mini XLR, splash- and dustproof IP67\***Steel housing with cap nut, **black**  
Max. cable Ø 4.9 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>7</b> 3-pole male. Turned, gold-plated contacts	<b>HI-XMCM3-HD-B</b>	-
<b>8</b> 3-pole female. Gold-plated contacts	-	<b>HI-XMCF3-HD-B</b>
<b>9</b> 4-pole male. Turned, gold-plated contacts	<b>HI-XMCM4-HD-B</b>	-
<b>10</b> 4-pole female. Gold-plated contacts	-	<b>HI-XMCF4-HD-B</b>
<b>11</b> 5-pole male. Turned, gold-plated contacts	<b>HI-XMCM5-HD-B</b>	-
<b>12</b> 5-pole female. Gold-plated contacts	-	<b>HI-XMCF5-HD-B</b>

**IP67** EXTRA ROBUST**NEW!****For highest professional demands!****Mini panel-mount XLR, splash- and dustproof IP67\***Steel housing, **nickel-plated**, male thread Ø 10.9 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>13</b> 3-pole male. Turned, gold-plated contacts	<b>HI-XMEM3-HD</b>	-
<b>14</b> 3-pole female. Gold-plated contacts	-	<b>HI-XMEF3-HD</b>
<b>15</b> 4-pole male. Turned, gold-plated contacts	<b>HI-XMEM4-HD</b>	-
<b>16</b> 4-pole female. Gold-plated contacts	-	<b>HI-XMEF4-HD</b>
<b>17</b> 5-pole male. Turned, gold-plated contacts	<b>HI-XMEM5-HD</b>	-
<b>18</b> 5-pole female. Gold-plated contacts	-	<b>HI-XMEF5-HD</b>

**IP67** EXTRA ROBUST**NEW!****For highest professional demands!****Mini panel-mount XLR, splash- and dustproof IP67\***Steel housing, **black**, male thread Ø 10.9 mm

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>19</b> 3-pole male. Turned, gold-plated contacts	<b>HI-XMEM3-HD-B</b>	-
<b>20</b> 3-pole female. Gold-plated contacts	-	<b>HI-XMEF3-HD-B</b>
<b>21</b> 4-pole male. Turned, gold-plated contacts	<b>HI-XMEM4-HD-B</b>	-
<b>22</b> 4-pole female. Gold-plated contacts	-	<b>HI-XMEF4-HD-B</b>
<b>23</b> 5-pole male. Turned, gold-plated contacts	<b>HI-XMEM5-HD-B</b>	-
<b>24</b> 5-pole female. Gold-plated contacts	-	<b>HI-XMEF5-HD-B</b>

\* when plugged



HICON ▶ Audio ▶ **JACK CONNECTORS**



Jack plugs have to satisfy a lot of very diverse expectations. While the guitarist prefers a heavy and robust connector, the studio technician needs a small, inconspicuous plug that won't take too much space on the densely populated patchbays.

Especially popular with guitar players is therefore the black American-type **HICON HI-J63M04** which can easily take a fat guitar cable or else a speaker cable with a large diameter.

It is fitted with a robust solid pin and a dependable clamping strain relief. Because of their low contact resistances **HICON**

**HI-J63M** and **HI-J63M03** are frequently used in connection with high-end guitar cables.

A true highlight is the **TRICONE XXL** jack connector **HI-J63TC-SM** for the easy and fast solderless DIY installation, perfect for all on-site assemblies.

The new **HICON HI-J63MP-B** and **HI-J63SP-B** jack plug connector offers the same quality which also distinguishes its "big brother" **HI-J63M** or the stereo version **HI-J63S**, but has only a standard 3-chuck collet strain relief instead of the 4-chuck type typical of **HICON**. The shell is non-

conductive, we've done without the gold tip, and instead of the metal cap we now use a robust sealing cap made of plastic.

Furthermore, the new jack connectors are supplied with transparent rings for a subsequent labelling or colour coding.

**We offer a 5-year warranty on all HICON jack connectors!**

An assortment of jack adapters is shown on the following pages in the "Audio Adapters" section!

CONNECTORS



With transparent code ring for your individuals labels!



**6.3 mm jack plug with solid pin**  
Metal housing with black plastic cap, non-conductive surface **with transparent ring for your individual labelling.**  
Max. cable Ø 7.0 mm.  
Colour code rings see next page.

**NEW!**



With 3-chuck strain relief

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
1 2-pole male, <b>mono</b> . 6.3 mm jack <b>Black metal shell, non-conductive surface</b>	<b>HI-J63MP-B</b>	-
2 3-pole male, <b>stereo</b> . 6.3 mm jack <b>Black metal shell, non-conductive surface</b>	-	<b>HI-J63SP-B</b>
3 2-pole male, <b>mono</b> . 6.3 mm jack <b>Nickel-plated metal shell</b>	<b>HI-J63MP</b>	-
4 3-pole male, <b>stereo</b> . 6.3 mm jack <b>Nickel-plated metal shell</b>	-	<b>HI-J63SP</b>



With transparent code ring for your individuals labels!



**6.3 mm jack plug with twistproof solid pin with gold-plated tip**  
All-metal housing with metal cap in mat silver finish (velvet chrome) **with transparent ring for your individual labelling.**  
Max. cable Ø 7.8 mm.  
Colour code rings see next page.



With 4-chuck strain relief

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
5 2-pole male, <b>mono</b> . 6.3 mm jack <b>Massive pin, Gold-plated pin</b>	<b>HI-J63M</b>	-
6 3-pole male, <b>stereo</b> . 6.3 mm jack <b>Massive pin, Gold-plated pin</b>	-	<b>HI-J63S</b>

HICON ▶ Audio ▶ JACK CONNECTORS

TOP SELLER



With transparent code ring for your individuals labels!

6.3 mm jack plug PRO with anti-twist pin

Full metal housing, black.  
Max. cable Ø 7.8 mm. With collet strain relief.

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
1 2-pole male, <b>mono</b> . 6.3 mm jack <b>Massive pin</b>	HI-J63M03	-
2 2-pole male, <b>mono</b> . 6.3 mm jack <b>Massive pin, gold-plated</b>	HI-J63M03-G	-
3 3-pole male, <b>stereo</b> . 6.3 mm jack <b>Massive pin</b>	-	HI-J63S03
4 3-pole male, <b>stereo</b> . 6.3 mm jack <b>Massive pin, gold-plated</b>	-	HI-J63S03-G

5 Colour code rings for HICON jack plug connectors



DESCRIPTION	COLOUR	ORDER NO.
Designed to fit: <b>HI-J63MP-B, HI-J63SP-B, HI-J63M, HI-J63S, HI-J63M03, HI-J63M03-G, HI-J63S03, HI-J63S03-G.</b>	Red	HI-JC-RT
	Orange	HI-JC-OR
	Yellow	HI-JC-GE
	Green	HI-JC-GN
	Blue	HI-JC-BL
	Black	HI-JC-SW
	Red (double width)	HI-JC-RT6
	Blue (double width)	HI-JC-BL6
	Black (double width)	HI-JC-SW6
	Transparent (double width)	HI-JC-TR6

For a wide range of colour combinations two colour code rings (in single width) may be used.



6.3 mm jack plug, gold-plated tip  
Metal housing, 90° angled  
Max. cable Ø 8.0 mm.

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
6 2-pole male, <b>mono</b> . 6.3 mm jack <b>90° angled</b>	HI-J63MA06	-
7 3-pole male, <b>stereo</b> . 6.3 mm jack <b>90° angled</b>	-	HI-J63SA06



6.3 mm jack plug, gold-plated tip  
Black metal housing  
Max. cable Ø 7.5 mm, including sleeve support max. 5.0 mm  
With collet strain relief.

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
8 2-pole male, <b>mono</b> . 6.3 mm jack	HI-J63M07	-
9 2-pole male, <b>mono</b> . 6.3 mm jack <b>90° angled</b>	HI-J63MA07	-

Matching colour coding:  
HI-UC-...  
see following pages



HICON ▶ Audio ▶ JACK CONNECTORS



Noisefree plug & unplug



**NEW!**



Intelligent plug-in system to avoid turn-on noises (crackling, popping etc.)

**6.3 mm jack plug, solid gold-plated tip, NOISEFREE**

Black metal housing.

Max. cable Ø 7.0 mm. With clamping strain relief.



**DESCRIPTION**

- 1 2-pole male, **mono**. 6.3 mm jack  
**NOISEFREE**
- 2 2-pole male, **mono**. 6.3 mm jack  
**90° angled, NOISEFREE**

**ORDER NO.**  
mono

**HI-J63M14**

**ORDER NO.**  
stereo

-

**HI-J63MA14**

-



These jack plugs have a collet strain relief that will counter expand under pressure (see fig.) and withstand high tensile forces, especially in connection with BNC crimping pliers (for RG58/59).

**6.3 mm jack plug, gold-plated tip**

Chrome-plated metal housing.

Max. cable Ø 6.0 mm.



**DESCRIPTION**

- 3 2-pole male, **mono**. 6.3 mm jack
- 4 3-pole male, **stereo**. 6.3 mm jack
- 5 2-pole male, **mono**. 6.3 mm jack  
**90° angled**

**ORDER NO.**  
mono

**HI-J63M01**

**ORDER NO.**  
stereo

-

-

**HI-J63S01**

**HI-J63MA01**

-



**Robust, compact 6.3 mm jack plug CLASSIC, massive pin with gold-plated tip**

Black metal housing.

Max. cable Ø 7.0 mm. With collet strain relief.

**DESCRIPTION**

- 6 2-pole male, **mono**. 6.3 mm jack
- 7 3-pole male, **stereo**. 6.3 mm jack
- 8 2-pole male, **mono**. 6.3 mm jack  
**90° angled**
- 9 3-pole male, **stereo**. 6.3 mm jack  
**90° angled**

**ORDER NO.**  
mono

**HI-J63M04**

**ORDER NO.**  
stereo

-

-

**HI-J63S04**

**HI-J63MA04**

-

-

**HI-J63SA04**



HICON ▶ Audio ▶ JACK CONNECTORS

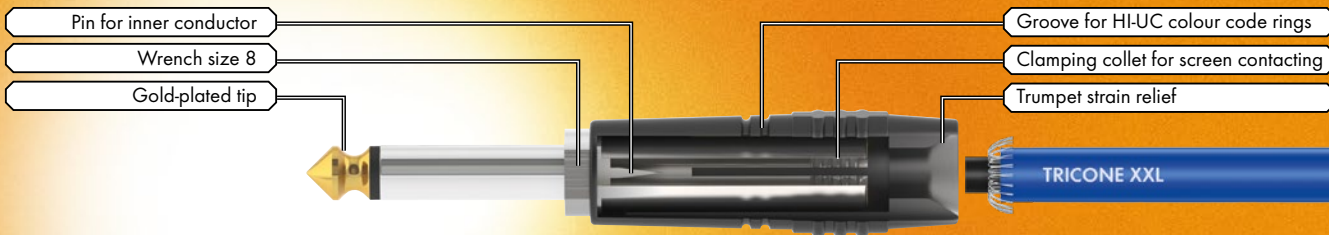


**Superflat 6.3 mm jack plug, massive pin with gold-plated tip, solder version**  
 Black metal housing. **90° angled**, moisture-repellent insulation  
 Cable Ø 4.0 - 6.4 mm. With clamping strain relief. Only 11.5 mm mounting height when plugged in!

DESCRIPTION	ORDER NO.
<b>1</b> 2-pole male, <b>mono</b> . 6.3 mm jack <b>Ideal for space-saving cabling of effects pedal boards</b>	<b>HI-J63MA05</b>
<b>2</b> 3-pole male, <b>stereo</b> . 6.3 mm jack	<b>HI-J63SA05</b>

CONNECTORS

HICON ▶ Audio ▶ JACK CONNECTORS TRICONE®



**Solder-free  
DIY assembly!**

The **TRICONE® XXL** cable is available in:  
 ■ black: **ORDER NO. 300-0271**  
 ■ blue: **ORDER NO. 300-0272**  
 ■ red: **ORDER NO. 300-0273**

Extremely practical for a quick and easy DIY assembly is the **TRICONE® XXL jack connector HI-J63TC-SM** when used with our **TRICONE® XXL instrument cable** – without soldering!  
**Ideal for studio patch cabling plus all emergencies and assembly works on site.**



Joining piece for pliers or 8 mm wrench .....

**6.3 mm jack plug, massive pin with gold-plated tip.** Solder-free DIY assembly.  
 Black glass-fibre reinforced polyamide housing with two grooves for **HI-UC-COLOUR** silicone colour rings.  
 Suitable cable: **TRICONE® XXL**

DESCRIPTION	ORDER NO.
2-pole male, <b>mono</b> . 6.3 mm jack plug <b>Solder-free DIY assembly, wrench size 8.</b>	<b>HI-J63TC-SM</b>



**Silicone colour rings, elastic.**

For all HICON connectors with grooved housings. **10-pack**, multi-colour coding (resistance code) also possible.

COLOUR	ORDER NO. 10-pack
■ Red	<b>HI-UC-RT</b>
■ Yellow	<b>HI-UC-GE</b>
■ Green	<b>HI-UC-GN</b>
■ Blue	<b>HI-UC-BL</b>
□ White	<b>HI-UC-WS</b>

HICON ▶ Audio ▶ **PANEL-MOUNT JACK CONNECTORS****HICON**  
CONNECTORS

1

2

**NEW!****6.3 mm panel-mount jack socket, PCB type, horizontal assembly, solderable\***Plastic housing with **plastic cap nut**  
Incl. locknut and washer

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
1 2-pole female, <b>mono</b> . 6.3 mm jack, tinned contacts	<b>HI-J63M-PH</b>	-
2 3-pole female, <b>stereo</b> . 6.3 mm jack, tinned contacts	-	<b>HI-J63S-PH</b>



3

4

**NEW!****6.3 mm panel-mount jack socket, PCB type, horizontal assembly, solderable\***Plastic housing with **metal cap nut**  
Incl. locknut and washer

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
3 2-pole female, <b>mono</b> . 6.3 mm jack, tinned contacts	<b>HI-J63M-PHM</b>	-
4 3-pole female, <b>stereo</b> . 6.3 mm jack, tinned contacts	-	<b>HI-J63S-PHM</b>



5

6

**NEW!****6.3 mm panel-mount jack socket, PCB type, VERTICAL assembly, solderable\***Plastic housing with **metal cap nut**  
Incl. locknut and washer

DESCRIPTION	ORDER NO. mono	ORDER NO. stereo
5 2-pole female, <b>mono</b> . 6.3 mm jack, tinned contacts	<b>HI-J63M-PVM</b>	-
6 3-pole female, <b>stereo</b> . 6.3 mm jack, tinned contacts	-	<b>HI-J63S-PVM</b>



7

**3-pole XLR / jack stereo / mono panel combo socket**, gold-plated solder lugs.  
Black plastic housing. Universal D flange.

DESCRIPTION	ORDER NO.	
7 3-pole female. Turned, gold-plated solder lugs	<b>HI-XJEF6S</b>	
Matching screws: <b>Fillister head:</b>	<b>S-P3118</b>	PU: 25 pcs.
<b>Countersunk head:</b>	<b>S-P3339</b>	PU: 25 pcs.

\* Dimensional drawings can be found under [www.sommercable.com](http://www.sommercable.com) on the matching product page.



HICON ▶ Audio ▶ **MINI JACK CONNECTORS**

**3.5 mm jack plug** with genuine gold-plated pin. 3-pole, **locking** screw thread. Black metal housing. Max. cable Ø 5.8 mm. With clamping strain relief.

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>1</b> 3-pole male. <b>3.5 mm</b> stereo jack	<b>HI-J35S-SCREW-M</b>	-
<b>2</b> 3-pole female. <b>3.5 mm</b> stereo jack socket	-	<b>HI-J35S-SCREW-F</b>



**3.5 mm jack plug** with genuine gold-plated pin. Black metal housing. With clamping strain relief.

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>3</b> 3-pole male. <b>3.5 mm</b> stereo jack. Max. cable Ø 8.4 mm.	<b>HI-J35S02</b>	-
<b>4</b> 4-pole male. <b>3.5 mm</b> jack. Max. cable Ø 8.4 mm.	<b>HI-J35T02</b>	-
<b>With extra pole for A/V applications</b>		
<b>5</b> 3-pole male. <b>3.5 mm</b> stereo jack. Compact design. Max. cable Ø 6.5 mm.	<b>HI-J35S03</b>	-

**NEW!**

Intelligent plug-in system for adapting 3.5 mm jack to 6.3 mm jack (e.g. headphones, DJ equipment)

**3.5 mm jack plug connector** with hard gold-plated pin, lockable via screw thread, solder version. Black metal shell. Max. cable Ø 5.8 mm. **incl. 6.3 mm jack adapter, gold-plated**



DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>6</b> 3-pole male. <b>3.5 mm</b> stereo jack + 6.3 mm jack adapter, stereo	<b>HI-J35635</b>	-



HICON ▶ Audio ▶ **MINI JACK CONNECTORS**



**NEW!**

**3.5 mm jack plug, hard gold-plated pin**  
Black aluminium housing, **90° angled**  
Max. cable Ø 5.8 mm. With clamping strain relief.

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>1</b> 3-pole male, <b>stereo</b> . 3.5 mm jack <b>90° angled</b>	<b>HI-J35SA</b>	-



**Mini jack panel socket**, solder version. 3-pole.  
Metal casing, chrome-plated. With plastic end.

DESCRIPTION	ORDER NO. male	ORDER NO. female
<b>2</b> 3-pole female. <b>2.5 mm</b> jack panel socket. <b>For control</b>	-	<b>HI-J25SEF</b>
<b>3</b> 3-pole female. <b>3.5 mm</b> jack panel socket. <b>For audio</b>	-	<b>HI-J35SEF</b>



**Mini jack panel socket**. 3-pole.  
**D flange.**

**SYS BOXX** **D**

DESCRIPTION	ORDER NO. male	ORDER NO. female
3-pole female. <b>2.5 mm</b> jack panel socket. <b>Solder version, for control</b>	-	<b>HI-J25SEFD</b>
<b>4</b> 3-pole female. <b>3.5 mm</b> jack panel socket. <b>Solder version, for audio</b>	-	<b>HI-J35SEFD</b>
<b>5</b> 3-pole female. <b>3.5 mm</b> jack panel socket. <b>Screw/clamping terminal 3 x 1.5 mm</b>	-	<b>HI-J35SEFD-S</b>



CONNECTORS

HICON ▶ Audio ▶ **RCA/PHONO CONNECTORS****HICON**  
CONNECTORS

Before buying an RCA/phono connector, you should always make sure to purchase brand quality, because inferior connectors often have high contact impedances and bad damping values, thus busting the benefits of a good audio cable.

Features of quality connectors:

- A decent gold-plating or coating (low-cost connectors often have only a lacquer finish!)
- A massive pin with no gaps due to rivets, pressing etc.
- Low contact resistances

The **HICON HI-CM09, HI-CM13** and **HI-CM18** RCA/phono connectors have a collet lock fixture to ensure an ultimate contact quality. Slightly unscrew the housing, put the plug into the socket and then rotate the housing backward again (with **HI-CM09** forward). The plug is held so firmly that it will come off only upon unscrewing the housing.

**Owing to the high quality of the HICON RCA/phono series, HICON will offer you a 5-year warranty on these connectors!**

A range of RCA/phono adapters is shown on the following pages in the "Audio Adapters" section!

More hifi connectors in our **HICON** complete catalogue.

For more details and information visit [www.hicon-hifi.com](http://www.hicon-hifi.com)



With strain relief

**NEW!**

**RCA/phono plug, 2-pole. Real gold-plated massive pin.**

Black metal housing

Cable Ø 7.5 mm, incl. spring max. 6.4 mm. With triple-chuck strain relief and spring.

DESCRIPTION	COLOUR CODE	ORDER NO.
1 2-pole male. RCA/phono	■ Red	<b>HI-CM03-RED</b>
2 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM03-NTL</b>



**RCA/phono plug, 2-pole. Real gold-plated massive pin.**

Black metal housing.

Max. cable Ø 7.0 mm, incl. grommet max. 5.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
3 2-pole male. RCA/phono	■ Red	<b>HI-CM06-RED</b>
2-pole male. RCA/phono	■ Yellow	<b>HI-CM06-YEL</b>
2-pole male. RCA/phono	■ Green	<b>HI-CM06-GRN</b>
2-pole male. RCA/phono	■ Blue	<b>HI-CM06-BLU</b>
4 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM06-NTL</b>



**RCA/phono plug, 2-pole. Real gold-plated massive pin.**

Chrome-plated metal housing.

Cable Ø 6.0 - 8.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
5 2-pole male. RCA/phono	■ Red	<b>HI-CM07-RED</b>
6 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM07-NTL</b>



HICON ▶ Audio ▶ **RCA/PHONO CONNECTORS**



**RCA/phono plug, 2-pole. Real gold-plated massive pin.**  
Metal housing, Velvet chrome; **collet lock fixture.**  
Cable Ø 6.0 – 8.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
1 2-pole male. RCA/phono	■ Red	<b>HI-CM13-RED</b>
2 2-pole male. RCA/phono	■ Black	<b>HI-CM13-BLK</b>



**RCA/phono plug, 2-pole. Real gold-plated massive pin.**  
Chrome-plated metal housing; **collet lock fixture.**  
Cable Ø 6.0 – 9.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
3 2-pole male. RCA/phono	■ Red	<b>HI-CM09-RED</b>
4 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM09-NTL</b>



**RCA/phono plug, 2-pole. Real gold-plated massive pin.**  
Chrome-plated metal housing; **collet lock fixture.**  
Cable Ø 6.0 – 8.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
5 2-pole male. RCA/phono	■ Red	<b>HI-CM18-RED</b>
6 2-pole male. RCA/phono	□ Neutral (white)	<b>HI-CM18-NTL</b>

HICON ▶ Audio ▶ **RCA/PHONO CONNECTORS****HICON**  
CONNECTORS

**RCA/phono plug, 2-pole. RG59 crimp version. Real gold-plated massive pin.**  
 Chrome-plated metal housing.  
 Recommended cables: **SC-FOCUSLINE, SC-ALTERA SPLIT HIGHFLEX.**  
 Recommended tools: **HI-CRIMPSET.**

DESCRIPTION	COLOUR CODE	ORDER NO.
1 2-pole male. RCA/phono		<b>HI-CM01C</b>
2 Matching <b>bend relief</b> in colour...	■ Red	<b>KS59-RT</b>
	■ Orange	<b>KS59-OR</b>
	■ Green	<b>KS59-GN</b>
	■ Blue	<b>KS59-BL</b>
	■ Violet	<b>KS59-VI</b>
	■ Black	<b>KS59-SW</b>
	□ White	<b>KS59-WS</b>
	■ Brown	<b>KS59-BR</b>
	■ Yellow	<b>KS59-GE</b>
	■ Grey	<b>KS59-GR</b>



**RCA/phono plug, 2-pole. Real gold-plated massive pin.**  
**90° angled** housing. Screw type.  
 Max cable Ø 6.0 mm.



DESCRIPTION	COLOUR CODE	ORDER NO.
3 2-pole male. RCA/phono <b>Chrome-plated housing</b>	■ Red	<b>HI-CMA01-RED</b>
4 2-pole male. RCA/phono <b>Chrome-plated housing</b>	■ Black	<b>HI-CMA01-BLK</b>
5 2-pole male. RCA/phono <b>Black housing</b>	■ Red	<b>HI-CMA02-RED</b>
6 2-pole male. RCA/phono <b>Black housing</b>	□ Neutral (white)	<b>HI-CMA02-NTL</b>

HICON ▶ Audio ▶ ...RCA/PHONO SOCKETS



**RCA/phono cable socket, 2-pole. Real gold-plated, solder type.**  
 Chrome-plated metal housing.  
 Cable Ø 6.0 – 8.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
1 2-pole female. RCA/phono	■ Red	HI-CF08-RED
2 2-pole female. RCA/phono	■ Blue	HI-CF08-BLU
2-pole female. RCA/phono	□ White	HI-CF08-WHT



**RCA/phono panel socket/Extension adapter, 2-pole. Patch type.**  
 Isolated ground. Thread outside Ø 12.7 mm (1/2"), fits into HI-DET D flange.  
 \* Colour code rings see HICON BNC connectors on the following pages

DESCRIPTION	COLOUR CODE	ORDER NO.
3 2-pole female. RCA/phono	 *	HI-CEFP01-NTL



**RCA/phono panel socket, 2-pole, real gold-plated. Solder type, PTFE insulated.**  
 Thread outside Ø 8.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
4 2-pole female. RCA/phono	■ Red	HI-CEF01-RED
5 2-pole female. RCA/phono	■ Black	HI-CEF01-BLK
6 2-pole female. RCA/phono	□ White	HI-CEF01-WHT



**RCA/phono panel socket, 2-pole. Solder type**  
 Thread outside Ø 12.7 mm (1/2"), fits into HI-DET D flange.  
 \* Colour coding see HICON BNC connectors on the following pages

DESCRIPTION	COLOUR CODE	ORDER NO.
7 2-pole female. RCA/phono	 *	HI-CEF02



 **D**

**RCA/phono panel socket, 2-pole. D flange. Solder type, coloured isolation ring.**

DESCRIPTION	COLOUR CODE	ORDER NO.
8 2-pole female. RCA/phono	■ Red	HI-CEFD-RED
2-pole female. RCA/phono	■ Yellow	HI-CEFD-YEL
2-pole female. RCA/phono	■ Green	HI-CEFD-GRN
2-pole female. RCA/phono	■ Blue	HI-CEFD-BLU
2-pole female. RCA/phono	■ Black	HI-CEFD-NTL
2-pole female. RCA/phono	□ White	HI-CEFD-WHT

CONNECTORS



HICON ▶ Audio ▶ **BANANA CONNECTORS and CABLE LUGS****HICON**  
CONNECTORS

The Elektrolabor R-clips developed by the Hirschmann GmbH company back in 1926, are regarded as the predecessor of modern banana connectors which owe their name-giving to the banana-shaped leaf

spring tip. Until today the 4 mm version can still be found in almost all premium-grade hifi loudspeaker connections. The HICON forked cable lugs provide an optimal clamp contacting on your loudspeaker terminals. All

HICON banana connectors and cable lugs are hard gold-plated and guarantee lowest contact resistance values.

**Banana connector, hard gold-plated, w. screw terminal.**

Plastic shell  
Max. cable Ø 4.2 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
1 Banana connector	■ Black	HI-BM01-BLK
2 Banana connector	■ Red	HI-BM01-RED

**Banana connector, hard gold-plated, w. screw terminal.**

Metal shell  
Max. cable Ø 4.2 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
3 Banana connector	□ Neutral (white)	HI-BM04-WHT
4 Banana connector	■ Red	HI-BM04-RED

**Banana connector, hard gold-plated, w. lamellar clamping contact.**

Metal shell  
Max. cable Ø 4.0 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
5 Banana connector	□ Neutral (white)	HI-BM05-WHT
6 Banana connector	■ Red	HI-BM05-RED

**Banana connector, hard gold-plated, w. universal clamp.**

Metal shell  
Max. cable Ø 7.2 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
7 Banana connector	■ Black	HI-BM06-BLK
8 Banana connector	■ Red	HI-BM06-RED

**Banana connector, hard gold-plated, w. screw terminal.**

Metal shell  
Max. cable 4.2 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
9 Banana connector	□ Neutral (white)	HI-BM07-WHT
10 Banana connector	■ Red	HI-BM07-RED

**Banana connector, hard gold-plated, w. expansion clasp.**

Metal shell  
Max. cable 6.9 mm.

DESCRIPTION	COLOUR CODE	ORDER NO.
11 Banana connector	■ Black	HI-BM08-BLK
12 Banana connector	■ Red	HI-BM08-RED



**NEW!**



The no-fuss clamping strain relief of the **HICON HI-BM13** ensures virtually neglectable contact resistances. The crimping can be done with any common grip wrench. The ideal conductivity is achieved by using a BNC/RG crimping pliers. The banana connector HI-BM13 consists of a screwable housing and a tight lamella contact.

**Banana connector, hard gold-plated, universal connection (solder/clamp/crimp)**

Mat black metal housing  
Max. cable Ø 8.5 mm.  
Cable cross-section 1.5 – 6.0 mm<sup>2</sup>



DESCRIPTION	COLOUR CODE	ORDER NO.
1 Banana connector	☐ Neutral (white)	HI-BM13-WHT
2 Banana connector	■ Red	HI-BM13-RED



**Cable lug, hard gold-plated, with screw terminal.**

Metal shell  
Fork width 6.0 mm, max. cable Ø 3.8 mm. Ideal for conductors between 1.5 mm<sup>2</sup> and 6.0 mm<sup>2</sup>.

DESCRIPTION	COLOUR CODE	ORDER NO.
3 Cable lug	■ Black	HI-CT05-BLK
4 Cable lug	■ Red	HI-CT05-RED



**Cable lug, hard gold-plated, with screw terminal.**

Metal shell  
Fork width 7.7 mm, max. cable Ø 7.5 mm. Ideal for conductors between 4.0 mm<sup>2</sup> and 25.0 mm<sup>2</sup>.

DESCRIPTION	COLOUR CODE	ORDER NO.
5 Cable lug	■ Black	HI-CT12-BLK
6 Cable lug	■ Red	HI-CT12-RED



**Cable lug, hard gold-plated, angled.**

Metal shell  
Fork width 7.7 mm. Ideal for conductors between 1.5 mm<sup>2</sup> and 8.0 mm<sup>2</sup>.

DESCRIPTION	ORDER NO.
7 Cable lug plain, angled 30°	HI-CTA01
8 Cable lug w. strain relief max. Ø 6.0 mm, angled 25°	HI-CTA02

CONNECTORS

**XLR adapters**

Black metal housing.

DESCRIPTION	ORDER NO.
1 XLR 3-pole male ⇔ XLR 3-pole male	HI-X3X3-MM
2 XLR 3-pole female ⇔ XLR 3-pole female	HI-X3X3-FF
3 XLR 3-pole male ⇔ XLR 3-pole female	HI-X3X3-FM
4 XLR 3-pole male ⇔ XLR 5-pole female	HI-X3X5-FM
XLR 3-pole female ⇔ XLR 5-pole male	HI-X3X5-FM

**XLR adapter with attenuator / DMX terminators**

Black metal housing.

DESCRIPTION	ORDER NO.
5 XLR 3-pole male ⇔ XLR 3-pole female <b>Attenuator -20 dB @ 200 Ω</b>	HI-X3X3-20-200
6 XLR 3-pole male <b>DMX terminator 120 Ω</b>	HI-X3MT
7 XLR 3-pole female <b>DMX terminator 120 Ω</b>	HI-X3FT
XLR 5-pole male <b>DMX terminator 120 Ω</b>	HI-X5MT
XLR 5-pole female <b>DMX terminator 120 Ω</b>	HI-X5FT

**XLR ⇔ Mini XLR adapter**

Metal housing.

DESCRIPTION	ORDER NO.
8 XLR 3-pole female ⇔ Mini XLR 3-pole male	HI-X3MX3-FM
9 XLR 3-pole male ⇔ Mini XLR 3-pole male	HI-X3MX3-MM

**XLR ⇔ RCA adapter**

Black metal housing.

DESCRIPTION	ORDER NO.
10 XLR 3-pole female ⇔ RCA female	HI-X3CI-FF
11 XLR 3-pole male ⇔ RCA female	HI-X3CI-MF



HICON ▶ Audio ▶ **ADAPTERS****HICON**  
CONNECTORS

The **HICON** audio adapters with their high-quality metal finish are robust and ideal for the everyday stage work. For the insulation we use heat-resistant POM and the pin insulation is made of shock-proof plastic. The latter ensures high numbers of mating cycles and great durability.

**Owing to the high quality of their metal adapters, the HICON company offers a 5-year warranty!**

The BASIC version is a budget plastic type and not covered by the **HICON** warranty.

More audio adapters – notably individual attenuators – are listed under “Ready-made Cables > Event Technology > Road Adapters”.

**Jack adapters 6.3 mm, male**

	DESCRIPTION	ORDER NO.
1	<b>2-pole:</b> 6.3 mm jack male ⇔ RCA/phono female <b>BASIC</b>	<b>CIKL-FM</b>
2	<b>2-pole:</b> 6.3 mm jack 2-pole male ⇔ RCA/phono female <b>Metal housing</b>	<b>HI-JM6CI-MF</b>
3	<b>3-pole stereo:</b> 6.3 mm jack male ⇔ mini jack female <b>Metal housing</b>	<b>HI-JS6JS3-MF</b>



Intelligent plug-in system for adapting 3.5 mm jack to 6.3 mm jack (e.g. headphones, DJ equipment)

**3.5 mm jack plug connector**  
with hard gold-plated pin,  
lockable via screw thread, solder version  
Black metal shell  
Max. cable Ø 5.8 mm  
**incl. 6.3 mm jack adapter, gold-plated**



	DESCRIPTION	ORDER NO.
4	<b>3-pole stereo:</b> <b>3.5 mm</b> mini jack male + <b>6.3 mm</b> jack adapter, stereo	<b>HI-J3563S</b>

**Mini jack adapters 3.5 mm, male**  
Chrome-plated metal housing.

	DESCRIPTION	ORDER NO.
5	<b>2-pole:</b> mini jack male ⇔ RCA/phono female	<b>HI-JM3CI-MF</b>
6	<b>3-pole stereo:</b> mini jack male ⇔ jack female	<b>HI-JS3JS6-MF</b>

**RCA/phono adapters 2-pole, male**

	DESCRIPTION	ORDER NO.
7	<b>2-pole:</b> RCA/phono male ⇔ 6.3 mm jack female <b>BASIC</b>	<b>CIKL-MF</b>
8	<b>2-pole:</b> RCA/phono male ⇔ mini jack female <b>Metal housing</b>	<b>HI-CIJM3-MF</b>

**RCA/phono adapters 2-pole, female**  
Metal housing.

	DESCRIPTION	ORDER NO.
9	<b>2-pole:</b> RCA/phono female ⇔ RCA/phono female	<b>HI-CICI-FF</b>
10	<b>2-pole:</b> RCA/phono male ⇔ RCA/phono female <b>90° angled</b>	<b>HI-CI-MF90</b>

HICON ▶ Digital Audio ▶ **TOSLINK (OPTICAL)****HICON**  
CONNECTORS

The TOSLINK connector was developed in 1983 by the Toshiba company (TOSHIBA-LINK).

This is a connection standard for optical signal transmissions with up to 20 Mbit/s which is used today for the connection digital audio signals in the studio and home sector, e.g. for linking BluRay, DVD, CD players or game consoles with home cinema/dts receivers or with ADAT systems in the studio.

The 3.5 mm mini plug is another FOC connector variant in the 3.5 mm mini jack format which allows e.g. to tap multi-channel home cinema signals on certain devices (such as notebooks).



1

**TOSLINK plug for DIY assembly**

Black metal housing.  
Max. cable Ø 8.0 mm.  
Recommended cable: Polymer optical fibre **SC-Octopus 590-0092**

**DESCRIPTION**

1 TOSLINK plug

**ORDER NO.**

HI-TL01



2

**TOSLINK plug for DIY assembly**

Black metal housing.  
Max. cable Ø 6.0 mm.  
Recommended cable: Polymer optical fibre **SC-Octopus 590-0052**

**DESCRIPTION**

2 TOSLINK plug

**ORDER NO.**

POF-TOS



3

4

5

**TOSLINK adapter, female**

Black housing.

**DESCRIPTION**

3 TOSLINK socket ⇔ TOSLINK socket

**Extension adapter**

4 TOSLINK socket ⇔ TOSLINK socket

**D flange format**

5 TOSLINK socket ⇔ 2 x TOSLINK socket

**ORDER NO.**

POF-709

POF-740

SYS BOXX D

POF-810



6

7

8

9

**TOSLINK adapter**

Black housing.

**DESCRIPTION**

6 TOSLINK socket ⇔ Mini plug

7 TOSLINK plug ⇔ Mini socket

8 TOSLINK socket ⇔ TOSLINK angled plug  
**360° rotatable**

9 TOSLINK socket ⇔ Mini angled plug

**ORDER NO.**

POF-711

POF-723

POF-732

POF-733

HICON ▶ A/V, MULTIMEDIA ▶ **HDMI CONNECTORS**



*HDMI connectors with super low contact resistances...*

...for DIY assembly by certified specialists. Joined by the **SOMMER CABLE** HDMI bulkware **SC-TRANSIT High Speed HDMI with Ethernet**, the HDMI plug connector is the perfect solution for applications in the professional media technology and in the home entertainment sector.

The solder lugs sit on a pc board with a large contact face to prevent the often fragile boards of the HDMI devices from being removed. The plug has a cable strain relief with sleeve support. For the DIY assembly we recommend using a fine 1 mm solder tip.

The comfortable cut and clamp variant is ideal for the on-site installation.

Cable recommendation: **SC-TRANSIT-High Speed HDMI with Ethernet 612-0251**. Chrome-plated full metal housing.



DESCRIPTION	ORDER NO.
<b>1</b> HDMI solder plug for DIY assembly for all current HDMI standards (as from 2013/09)	<b>HI-HD-M</b>
<b>2</b> HDMI IDC connector for DIY assembly for all current HDMI standards (as from 2013/09)	<b>HI-HD-MSK</b>
<b>3</b> Crimping pliers for HI-HD-MSK	<b>CZ-HI-HD-MSK</b>
HDMI cable tester, more information see "Accessories" chapter	<b>HD-T</b>

**PIN ASSIGNMENT SCHEME**

Plug Pin	Signal Wire	Cable	
		Pair	Colour
1	TMDS Data 2 +	Pair 1	white
2	TMDS Data 2 Shield	Pair 1	drain wire, GND
3	TMDS Data 2 -	Pair 1	red
4	TMDS Data 1 +	Pair 2	white
5	TMDS Data 1 Shield	Pair 2	drain wire, GND
6	TMDS Data 1 -	Pair 2	green
7	TMDS Data 0 +	Pair 3	white
8	TMDS Data 0 Shield	Pair 3	drain wire, GND
9	TMDS Data 0 -	Pair 3	blue
10	TMDS Data Clock +	Pair 4	white
11	TMDS Data Clock Shield	Pair 4	drain wire, GND
12	TMDS Data Clock -	Pair 4	brown
13	CEC		white
14	Utility/HEAC+	Pair 5	white
15	SCL		yellow
16	SDA		orange
17	DDC/CEC/HEAX Ground	Pair 5	drain wire, GND
18	Power +5 V		red
19	Hot Plug Detect/HEAC-	Pair 5	yellow

Since 2003 **High Definition Multimedia Interface (HDMI)** has been the standardised interface for the digital transmission of audio and video signals. The 2.0 standard certified by September 2013 includes the following features:

- Max. data rate: 8.16 Gbit/s ...max.
- Video format: 2160p @ 24 Hz
- Sound formats: 8 PCM, Home-Cinema, DTS, MPEG, DVD-Audio, SACD, Dolby Digital® Plus, 32-channel audio, TrueHD and dts-HD

Other features:

- 4K resolution
- HDMI ethernet channel (HEC)
- Audio return channel (ARC) and
- 4K 3D support
- Multistream audio + video support



**HDMI Patch panel socket**

Nickel-plated metal housing. For all current HDMI standards (as from 2013/09).

DESCRIPTION	ORDER NO.
<b>4</b> HDMI Patch panel socket <b>D shape format</b>	<b>HI-HDHD-FFDN</b>



## HICON ▶ A/V, Multimedia ▶ ANTENNA CONNECTORS

**HICON**  
CONNECTORS


Most European TV and radio devices have the classical antenna connection for the reception of VHF (FM) and UHF signals. The local cable net companies also use this standard. For this purpose **HICON** offers a range starting from a good standard quality to the top-grade high-end version with **real gold-plated** contacts and PTFE insulation to ensure lowest contact resistance values.



**Antenna connector, real gold-plated, PTFE-insulated. Solder & screw type.**  
Black metal housing.  
Max. cable Ø 8.0 mm.  
Recommended cable: **SC-Astral 600-0960LLX**

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 2-pole male.	<b>HI-ANCM02</b>	-
2 2-pole female.	-	<b>HI-ANCF02</b>



**Antenna connector, real gold-plated, PTFE-insulated. Solder type.**  
Chrome-plated metal housing.  
Max. cable Ø 7.0 to 8.2 mm.  
Recommended cable: **SC-Astral 600-0960LLX**

DESCRIPTION	ORDER NO. male	ORDER NO. female
3 2-pole male.	<b>HI-ANCM01</b>	-
4 2-pole female.	-	<b>HI-ANCF01</b>



**Antenna connector. Universal screw/clamp type**  
Chrome-plated full metal housing.  
Max. cable Ø 6.5 mm.

DESCRIPTION	ORDER NO. male	ORDER NO. female
5 2-pole male.	<b>HI-ANT-M</b>	-
6 2-pole female.	-	<b>HI-ANT-F</b>



DESCRIPTION	ORDER NO. male	ORDER NO. female
7 2-pole female. 1/2" thread, outside Ø 12.7 mm	-	<b>HI-ANEFP01</b> <b>[SYS BOXX]</b>
8 2-pole female. D flange format	-	<b>HI-ANEFPD</b> <b>[SYS BOXX] D</b>

HICON ▶ A/V, Multimedia ▶ **F CONNECTORS 75 Ω**



For the digital TV image transmission **HICON** offers a high-class series of F connectors for super low contact resistance values.

Suitable for the easy DIY assembly is the **FMC**, series of F compression connectors which can also be used for 3 GHz applications.

The high-end models **HI-FM07** and **HI-FM08** (solder) have real gold-plated contacts and a PTFE insulation.



**F connector, real gold-plated pin**  
Mat black metal housing.  
Max. cable Ø 8.2 mm. With collet strain relief.  
Recommended cable: **SC-ASTRAL 600-0960LLX**

DESCRIPTION	ORDER NO.
<b>1</b> 2-pole male, PTFE insulation <b>Screw/clamp type</b>	<b>HI-FM07</b>



**F connector, real gold-plated pin**  
Metal housing.  
Max. cable Ø 7.3 mm. With clamping strain relief.  
Recommended cable: **SC-ASTRAL 600-0960LLX**

DESCRIPTION	ORDER NO.
<b>2</b> 2-pole male, PTFE insulation <b>Solder type</b>	<b>HI-FM08</b>



**F compression connector**  
Chrome-plated metal housing.  
**Max. tensile force: 200 N.**

	Return loss	Shielding value
1000 MHz	37 dB	110 dB
3000 MHz	28 dB	90 dB



DESCRIPTION	ORDER NO.
<b>3</b> F compression connector for cable: <b>RG59, SC FOCUSLINE M 0.6/3.7, SC-VECTOR 0.8/3.7</b>	<b>FMC-3.7</b>
F compression connector for cable: <b>SC-VECTOR (RCB) 1.0/4.8, SC-ASTRAL LLX</b>	<b>FMC-5.0</b>
F compression connector; water-proof, IP67 for cable: <b>SC-VECTOR (RCB) 1.0/4.8, SC-ASTRAL LLX</b>	<b>FMC-5.0W</b>
Matching seal cuff (outdoor installation) for: <b>FMC-5.0W</b>	<b>FMC-SEAL</b>
<b>4</b> Suitable tools with cable stripper 6.5 mm + 6.5 mm Incl. 11 mm open-jaw wrench <b>for F compression connectors</b>	<b>WFMC11</b>



DESCRIPTION	ORDER NO.
<b>5</b> 2-pole female/female	<b>HI-FEFP</b>



DESCRIPTION	ORDER NO.
<b>6</b> 2-pole female/female <b>Fits into HI-DET D flange</b>	<b>HI-FEEP01</b>





HICON ▶ A/V, Multimedia ▶ **SCART/S-VHS/DVI****HICON**  
CONNECTORS

**HICON scart connector (Euro AV), real gold-plated contacts**  
Chrome-plated metal housing.

The bend relief fits all cable gauges between 6.5 and 11 mm.

Recommended cable: **TRANSIT MINI CONTROL 600-0261-0506**

**DESCRIPTION**

**1** 21-pole, male

**ORDER NO.**

**HI-SCART-M**

**SCART adapter**

Gold-plated contacts.

Metal housing.

**DESCRIPTION**

**2** SCART 21-pole, male ↔ S-VHS + 3 x RCA/phono female  
**With input/output selector**

**ORDER NO.**

**HI-SCSVCI**



**S-VHS cable connector, real gold-plated contacts. Solder type**

Chrome-plated metal housing.

Max. cable Ø 8.2 mm.

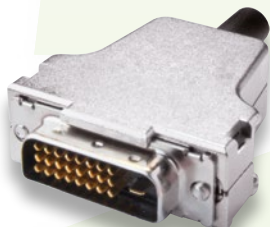
Recommended cable: **CINEMA-SV**

**DESCRIPTION**

**3** 4-pole male, PTFE insulation

**ORDER NO.**

**HI-SVCM02**



**HICON DVI 24+1 connector including EMC all metal cap**

**Solder version for low contact resistances for DIY assembly.**

For the assembly we recommend using a fine 1 mm solder tip.

Combined with the **SC-Impulse** bulkware by **SOMMER CABLE**, the DVI connector is the perfect solution for professional media technical applications.

**DESCRIPTION**

**4** 24+1-pole male

Recommended cable: **SC-Impulse 600-1901**

**ORDER NO.**

**DVI01**



HICON ▶ A/V, Multimedia ▶ **ADAPTERS**



The **HICON** video or A/V adapters shown here primarily consist of a robust full metal housing and are ideal for professional use in media technology. Owing to the high quality of their metal connectors, **HICON** will grant a 5-year warranty! The BASIC type is a budget plastic version and not covered by the **HICON** warranty.

More RCA adapters are listed on the first pages of the "Audio Adapters" section.



CONNECTORS



1

**S-VHS adapter**

Real gold-plated contacts.  
Metal housing.

**DESCRIPTION**

1 S-VHS 4-pole, female ↔ S-VHS 4-pole, female

**ORDER NO.**

HI-SVSV-FF



2



3



4

**F-, Antenna adapters**

Metal housing, 90° angled.

**DESCRIPTION**

2 F female ↔ F male  
**90° angled**

3 F female ↔ Antenna female  
**90° angled**

4 F female ↔ Antenna male  
**90° angled**

**ORDER NO.**

HI-F-MF90

HI-FAN-FF90

HI-FAN-FM90



5



6



7

**BNC, Antenna adapters**

Metal housing.

**DESCRIPTION**

5 BNC female ↔ BNC female

6 BNC female ↔ BNC male  
**90° angled**

7 BNC female ↔ Antenna male

**ORDER NO.**

HI-BNBN-FF

HI-BNBN-MF90

HI-BNAN-FM



8



9



10

**BNC, RCA/phono adapters**

Metal housing.

**DESCRIPTION**

8 BNC female ↔ RCA/phono female

9 BNC female ↔ RCA/phono male

10 BNC male ↔ RCA/phono female

**ORDER NO.**

HI-BNCI-FF

HI-BNCI-FM

HI-BNCI-MF

HICON ▶ A/V, Multimedia ▶ ADAPTERS

HICON®  
CONNECTORS**DVI Gender changers**

SYS BOXX II

DESCRIPTION	ORDER NO.
1 DVI Gender changer, compact, grey	HI-DVDV-FF
2 DVI Gender changer, 61 mm long Comes with two longer UNC bolts for front panel mounting	HI-DVDV-FFL
3 DVI Gender changer, adapter cable, 0.15 m	DVFF-0015

**DVI adapters, BASIC**

Black housing.

DESCRIPTION	ORDER NO.
4 DVI female ↔ HDMI male <b>BASIC</b>	DVHD-FM
DVI female ↔ HDMI female <b>BASIC</b>	DVHD-FF
5 DVI male ↔ HDMI female <b>BASIC</b>	DVHD-MF
6 DVI male ↔ HD 15-pole (VGA) female <b>BASIC</b>	DVS2-MF
7 DVI male ↔ HD 15-pole (VGA) male <b>BASIC</b>	DVS2-FM

**HDMI ↔ DVI-D adapters**Gold-plated contacts.  
Silver-grey plastic housing.

DESCRIPTION	ORDER NO.
8 HDMI female ↔ DVI-D 24+1 male	HDDV-FM
9 HDMI male ↔ DVI-D 24+1 female	HDDV-MF

HICON ▶ A/V, Multimedia ▶ ADAPTERS



**NEW!**

**HDMI adapter**  
White housing.

DESCRIPTION	ORDER NO.
1 HDMI male > SUB-D female	<b>HDSV-MF</b>



2



3



4



5 **NEW!**

**HDMI adapters**  
Black housing.

DESCRIPTION	ORDER NO.
2 HDMI female ⇔ HDMI female <b>Gender changer, UNC thread</b>	<b>HI-HDHD-FF</b> <b>SYS BOXX II</b>
3 HDMI female ⇔ HDMI mini male	<b>HDHM-FM</b>
4 HDMI female ⇔ HDMI micro male	<b>HDMM-FM</b>
5 HDMI female ⇔ USB micro male (Smartphone > Monitor)	<b>HDMU-FM</b>



6 **NEW!**



7 **NEW!**

**HDMI Cable adapter**

DESCRIPTION	ORDER NO.
6 HDMI female in VGA flange housing ⇔ HDMI female, 0.15 m	<b>HI-HDFF-0015-SW</b>
7 HDMI female in VGA flange housing ⇔ HDMI male, 0.30 m	<b>HI-HDFM-0030-SW</b>



8



9



10

**HDMI angled adapters**  
Gold-plated contacts.  
Silver-grey plastic housing.

DESCRIPTION	ORDER NO.
8 HDMI male ⇔ HDMI female <b>90° horizontally angled</b>	<b>HDHD-MF90H</b>
9 HDMI male ⇔ HDMI female <b>Upward outlet 90° angled</b>	<b>HDHD-FM90V</b>
10 HDMI male ⇔ HDMI female <b>Downward outlet 90° angled</b>	<b>HDHD-MF90V</b>

*Snow falls softly at night...*

The longer the HDMI transmission lines are, the greater the attenuation losses will be, eventually leading to a complete signal dropout. In the threshold range the picture gets more and more "wintery with snow sleet", a so-called image noise occurs. The repeater provides a signal gain over a **total distance of 40 m**. With such long distances we recommend an HDMI cable cross-section of AWG 24. The input distance may be as long as 5 m - at the output **another 35 m** may be connected. We point to the fact that the max. transmission distance depends on the quality of cable and workmanship and also on the signal transmission of the peripheral equipment. Optionally a 5 V power supply may be connected (recommendable for transmission distances beyond 20 m).



**1080p  
HDTV**

11

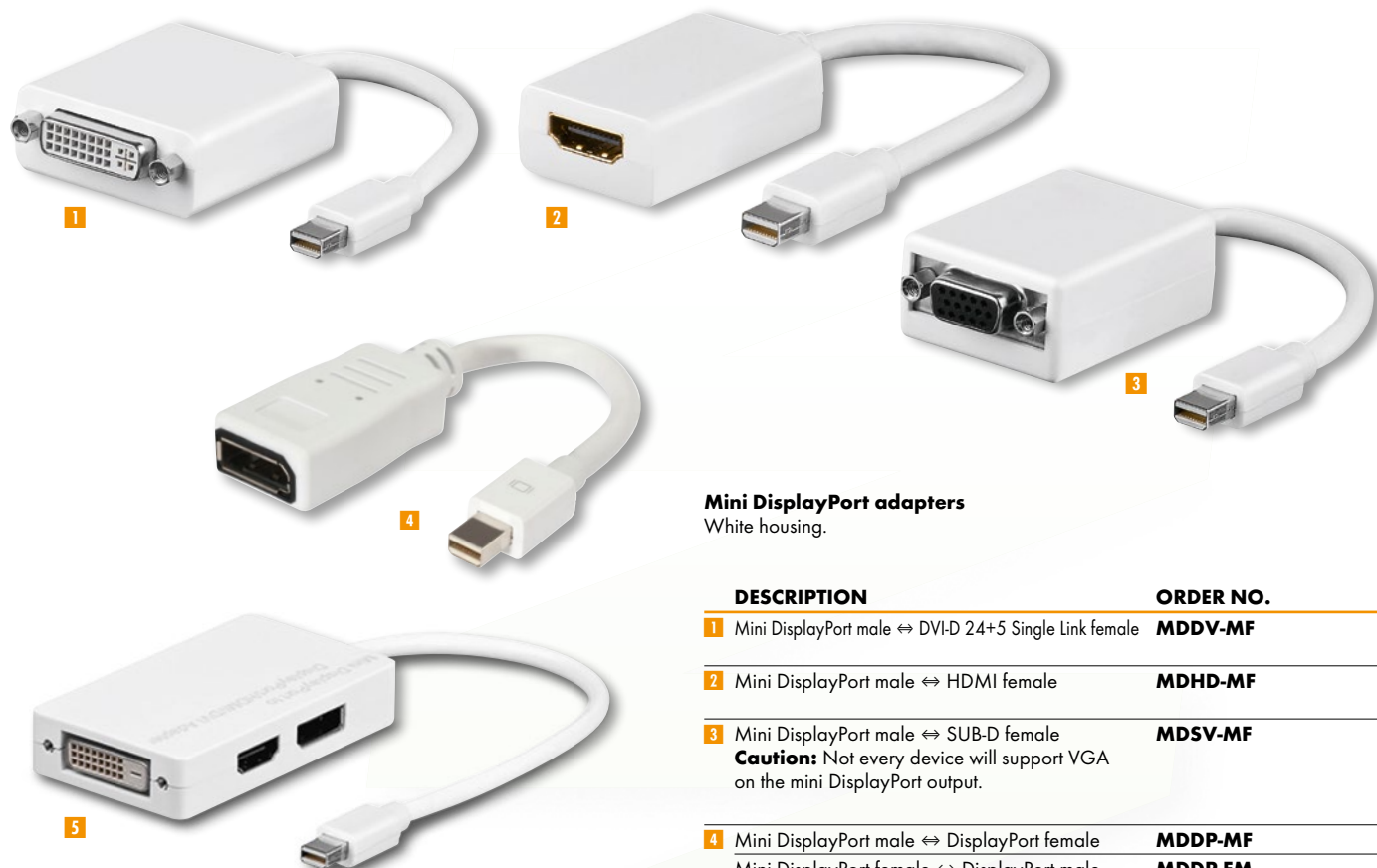
**Passive HDMI repeater for viewing modes of max. FullHD 1080p**  
Black housing.  
Without power supply.

DESCRIPTION	ORDER NO.
11 HDMI female ⇔ HDMI female	<b>HI-HDHD-RPT</b>

CONNECTORS



HICON ▶ A/V, Multimedia ▶ ADAPTERS



### Mini DisplayPort adapters

White housing.

DESCRIPTION	ORDER NO.
1 Mini DisplayPort male ↔ DVI-D 24+5 Single Link female	<b>MDDV-MF</b>
2 Mini DisplayPort male ↔ HDMI female	<b>MDHD-MF</b>
3 Mini DisplayPort male ↔ SUB-D female <b>Caution:</b> Not every device will support VGA on the mini DisplayPort output.	<b>MDSV-MF</b>
4 Mini DisplayPort male ↔ DisplayPort female	<b>MDDP-MF</b>
Mini DisplayPort female ↔ DisplayPort male	<b>MDDP-FM</b>
5 Mini DisplayPort male ↔ HDMI female + DVI female + DisplayPort female	<b>MDXX-MF</b>



### DisplayPort adapters

Black housing.

DESCRIPTION	ORDER NO.
6 DisplayPort female ↔ DisplayPort female	<b>DPDP-FF</b>
7 DisplayPort male ↔ HDMI female	<b>DPHD-MF</b>
8 DisplayPort male ↔ DVI female	<b>DPDV-MF</b>



### DisplayPort adapter cable

DESCRIPTION	ORDER NO.
9 DisplayPort female in VGA flange housing ↔ DisplayPort female, 0.15 m	<b>HI-DPFF-0015-SW</b>

HICON ▶ Video ▶ **BNC CONNECTORS**



The **BNC** connector (Bayonet Neill Concelman) is one of the best known coaxial plug types and was invented in the late 1940s. It is available with a wave impedance of either 50 or 75 Ω and is mainly used in radio and video technology, medical engineering and computer technology. Our connectors meet the specifications according to IEC 169-8, MIL-C-39012.

The upper limiting frequency of the 50 Ω BNC version is 4 GHz.

The 75 Ω standard BNC connectors are suitable for 1 GHz and the HDTV version for 1.5 GHz applications.

Inner cond. material:	Cu1Ni2 Au0.8
Housing material:	Cu2Ni5
Insulation material:	PTFE
Temperature range:	-65°C... +165 °C
Insulation resistance:	5 GΩ
Inner and outer conductor resistance:	< 2 MΩ each

**What does 0.6/3.7 mean?**

The figure "3.7" indicates the diameter of the wire insulation (square), the "0.6" refers to the copper wire diameter (hex). But watch out! Diameter is not equivalent to wire cross-section! When using a flexible cable with Cu litz wires, make sure the wire cross-section correlates with a diameter of "0.6 mm"! Formula:  $\varnothing = \sqrt{(4 \times \text{cross-section}) : \pi}$

The **HT crimp set** is an affordable crimping pliers toolbox for the BNC standard sizes. More crimping tools are listed in the "Hardware and Accessories" section.

The products labelled with the **SYSBOXX** logo fit our modular **SYSBOXX** system range (see: www.sommercable.com) and our recessed **universal HI-DET D flange**. See **SOMMER CABLE** full catalogue.

CONNECTORS

**BNC cable crimp connector 50 Ω**

Metal housing.  
Recommended tool: **HT-CRIMPSET**



DESCRIPTION	ORDER NO.
2-pole, male for cable: RG58 C/U	<b>BNC58</b>
2-pole, male for cable: RG58 C/U LL	<b>BNC58LL</b>
2-pole, male for cable: RG174/U, 316/U	<b>BNC174</b>
2-pole, male for cable: RG213/U	<b>BNC213</b>

**BNC crimp cable plug 50 Ω, 90° angled w. soldering pin**

Metal housing.  
Recommended tool: **HT-CRIMPSET**



DESCRIPTION	ORDER NO.
2-pole, male for cable: RG58 C/U	<b>BNC58M90</b>
2-pole, male for cable: RG174/U, 316/U	<b>BNC174M90</b>

**BNC crimp cable socket 50 Ω**

Metal housing.  
Recommended tool: **HT-CRIMPSET**






DESCRIPTION	ORDER NO.
2-pole, female for cable: RG58 C/U	<b>BNC58FK</b>

**BNC panel-mount crimp socket 50 Ω**

Metal housing.  
Recommended tool: **HT-CRIMPSET**. Matching colour code: **BNC-FC...**



DESCRIPTION	ORDER NO.
<b>1</b> 2-pole, female for cable: RG58 C/U, <b>isolated ground</b>	<b>BNC58FEM</b> 
<b>1</b> 2-pole, female for cable: RG58 C/U, <b>w/o ground isolation</b>	<b>BNC58FEO</b> 
<b>2</b> 2-pole, female, <b>D flange</b> metal with M3 thread for cable: RG58 C/U, <b>isolated ground</b>	<b>BNC58FD</b>  <b>D</b>

HICON ▶ Video ▶ **BNC CONNECTORS****HICON**  
CONNECTORS

**BNC compression cable plug 50 Ω and 75 Ω**  
Metal housing. With solder pin and tool-free screw installation.  
Visit [www.sommercable.com/support](http://www.sommercable.com/support) for mounting instructions

DESCRIPTION	ORDER NO.
2-pole, male for cable: RG58 C/U, <b>50 Ω</b>	<b>BNC58KOM</b>
2-pole, male for cable: SC-Focusline, SC-Altera-Split, Transit MC120, SC-Classic Control; RG59B/U, SC-Classic Control, <b>75 Ω</b>	<b>BNC59KOM</b>



**BNC crimp cable plug 75 Ω**  
Metal housing.  
Recommended tool: **HT-CRIMPSET**

DESCRIPTION	ORDER NO.
2-pole, male for cable: Cinema-SV, Transit Mini Flex, -Mini Kombi, -Mini Control, Intercom, RG179A/U, SC-Monomax, Transit MC72491, 73251	<b>BNC0.3/1.8</b>
2-pole, male for cable: SC-Slimline (RCB), Transit, Transit MC523HD, Transit MC8232	<b>BNC0.6/2.8</b>
2-pole, male for cable: SC-Focusline, SC-Altera-Split, Transit MC120, Transit MC 123 HD, SC-Classic Control	<b>BNC0.6/3.7</b>
2-pole, male for cable: Transit Mobile PUR	<b>BNC0.66/3.2</b>
2-pol, male for cable: RG6/U	<b>BNC6</b>
2-pole, male for cable: RG59B/U, SC-Classic Control	<b>BNC59</b>



**BNC crimp cable plug 75 Ω, 90° angled**  
Metal housing.  
Recommended tool: **HT-CRIMPSET**

DESCRIPTION	ORDER NO.
<b>1</b> 2-pole, male, 90° angled for cable: Cinema-SV, Transit Mini Flex, -Mini Kombi, -Mini Control, SC-Kinetic, Intercom, RG179A/U, SC-Monomax, Transit MC72491, 73251	<b>BNC0.3/1.8M90</b>
<b>2</b> 2-pole, male, 90° angled w. soldering pin for cable: RG6/U	<b>BNC6M90</b>
<b>3</b> 2-pole, male, 90° angled w. soldering pin for cable: SC-Focusline, SC-Altera-Split, Transit MC120, Transit MC 123 HD, SC-Classic Control; RG59B/U	<b>BNC59M90</b>

**The pin is fixed by means of plug/clamp technology, the outer sleeve is crimped.**  
**Attention: litz wires must be tinned before assembly.**



**BNC crimp cable socket 75 Ω**  
Metal housing.  
Recommended tool: **HT-CRIMPSET**

DESCRIPTION	ORDER NO.
2-pole, female for cable: Cinema-SV, Transit Mini Flex, -Mini Kombi, -Mini Control, SC-Kinetic, Intercom, RG179A/U, SC-Monomax, Transit MC72491, 73251	<b>BNC0.3/1.8FK</b>
2-pole, female for cable: SC-Slimline (RCB), Transit, Transit Kombi HD, Observer 1 HD, Transit MC523HD, Transit MC8232	<b>BNC0.6/2.8FK</b>
2-pole, female for cable: RG59B/U, SC-Classic Control	<b>BNC59FK</b>



**BNC cable socket crimp 75 Ω.** Metal housing.  
Suitable tool: **HT-CRIMPSET**. Corresponding colour code: **BNC-FC...**

DESCRIPTION	ORDER NO.
<b>4</b> 2-pole, female, <b>ground isolation</b> for cable: RG59 B/U, SC-Classic Control	<b>BNC59FEM</b>
<b>4</b> 2-pole, female, <b>w/o ground isolation</b> for cable: RG59 B/U, SC-Classic Control	<b>BNC59FEO</b> <b>[SYS BOXX]</b>
<b>5</b> 2-pole, female, <b>D flange metal with M3 thread*</b> for cable: RG59 B/U, SC-Classic Control	<b>BNC59FD</b> <b>[SYS BOXX] [D]</b>



HICON ▶ Video ▶ BNC CONNECTORS



**BNC cable plug, genuine gold-plated contacts. Solder type**  
Metal housing, PTFE-insulated.

DESCRIPTION	ORDER NO. male	ORDER NO. female
1 2-pole male for cable: SC-Focusline, SC-Altera-Split, Transit MC120, SC-Classic Control; RG59B/U	HI-BNC59MG	-
2 2-pole female for cable: SC-Focusline, SC-Altera-Split, Transit MC120, SC-Classic Control; RG59B/U	-	HI-BNC59FG



Application example

**Colour code rings for FDH and FPD D-flange versions**

**SYSEX BOXX**

COLOUR	ORDER NO. per pc.	COLOUR	ORDER NO. per pc.
Red	HI-DR-RT	Grey	HI-DR-GR
Orange	HI-DR-OR	White	HI-DR-WS
Yellow	HI-DR-GE	Mint green	HI-DR-MN
Brown	HI-DR-BR	Pink	HI-DR-PN
Green	HI-DR-GN	Violet	HI-DR-VI
Blue	HI-DR-BL		



**Sleeve supports**

...for all BNC plugs (except BNC213 and BNC1.0/6.6) are available in red (RT), green (GN), blue (BL), yellow (GE), brown (BR), grey (GR), black (SW), white (WS), orange (OR), violet (VI) and turquoise (CY). Please order separately specifying the desired colour. Order example: KS58-RT

DESCRIPTION	ORDER NO.
for: BNC 58 and BNC 0.6/2.8 <b>Please note:</b> Not available in grey	K558-COLOUR
for: BNC 59, BNC 0.6/3.7, BNC 0.8/3.8, BNC 0.66/3.2, BNC 1.2/5.0	K559-COLOUR
for: BNC 174, BNC 0.3/1.8, BNC 0.4/2.5 <b>Please note:</b> Only available in red, green, blue, black and white	K5174-COLOUR
<b>NEW!</b> for: BNC 1.2/5.0	K51250-COLOUR
<b>NEW!</b> for: BNC 1.6/7.3	K51673-COLOUR



3

**Coax crimping pliers tool kit in case**

containing the following parts:  
1 x Crimping pliers for quick-change jaws +  
5 x Jaw set for BNC crimping connectors:  
1. RG58, RG174  
2. RG58, RG59, RG62, RG174, RG140  
3. RG174, RG178, RG179  
4. RG8, RG9, RG11, RG174, RG316  
5. RG58, RG174, SMA, SMB

Complete with stripping tool and case for pliers & jaw sets.



5 **NEW!**



6 **NEW!**

DESCRIPTION	ORDER NO.
3 Crimping pliers tool kit w. case	HT-CRIMPSET
4 Spare crimp pliers w/o jaws	HT-CRIMPTOOL
5 Crimping jaws for BNC 1.0/6.6-T suitable for HT-CRIMPSET	HT-1066
6 Crimping jaws for BNC 1.2/5.0... suitable for HT-CRIMPSET	HT-1250



4



7

**Tool for mounting BNC connectors into the HI-DET D flange**  
Metal version.

DESCRIPTION	ORDER NO.
7 Tool for mounting BNC connectors into the recessed HI-DET D flange	WSW16

HICON ▶ Video ▶ BNC connector 3G-SDI / 6G-SDI

HICON  
CONNECTORS

### Higher – faster – further ... HICON UHD/3G/HD-SDI-BNC connectors

While RG and video connectors for the analogue world are relatively easy to make, the currently demanded 3G/6G/12G standards require a high-quality precision manufacturing technology, which is able to produce in the lowest of tolerance ranges. The corresponding machines are made in Germany for the most part and will also refine the HICON connector production.

Being one of a handful of manufacturers **HICON** offers not only cable plugs, but panel-mount sockets of the common formats in a damping-optimised direct crimp version, too.

The **HICON** BNC-HD and 6G connector for the digital serial video transmission are one of the few **top-class** connectors on the market and is technically rated at the

highest level. Therefore it is used in numerous radio/broadcast/HDTV transmissions.

The **HICON HD-SDI and 6G-SDI series** features not only a **hard gold-plated pin**, but also a **hard gold-plated shielding housing** to keep the skin effect as low as possible.

The contact pin has a special, micro-fine volute bevel on the inside to lock the copper conductor after the crimping and thus ensures an excellent bonding. The hard gold-plating and the axial contact pressure guarantee thousands of mating cycles and withstand even the most adverse conditions and temperature differences, as they often prevail outdoors or in the broadcast field transmission.

### Applications:

- Professional broadcast transmission technology
- Digital studio technology
- IT/data technology
- Medical engineering
- 4K transmissions (6 G-BNC)

### Technical specifications

	HD (3G)	6G
Insulation:	S-PTFE	S-PTFE
Wave impedance:	75 Ω	75 Ω
Reflection @ 3 GHz:	4.8 %	2.8 %
Reflection @ 6 GHz:	7.5 %	4.5 %
VSWR up to 3 GHz:	≤ 1.09/>26 dB	≤ 1.06/>32 dB
VSWR up to 6 GHz:	≤ 1.15/>24 dB	≤ 1.09/>29 dB
Resistance of inner conductor:	≤ 3 MΩ	≤ 3 MΩ
Resistance of outer conductor:	≤ 1 MΩ	≤ 1 MΩ
Insulation resistance @1.000 V:	≥ 5 GΩ	≥ 5 GΩ
Nominal voltage:	500 V	500 V
Operating temperature range:	-60°C... +160°C	
Mating cycles/service life:	>1500	>2000

3G-SDI | SDI/HD-SDI | HDTV

**HD-SDI/3G-SDI-Broadcast, BNC cable plug crimp 75 Ω, hard gold-plated contact surfaces 4 μm, female thread in pin socket**  
Body: Brass/beryllium bronze w. corrosion-proof coating.



DESCRIPTION	ORDER NO.
HD-SDI/3G-SDI, 2-pole, male for cable: SC-Slimline (RCB), Transit, Transit Kombi HD, Observer1 HD, Transit MC5230HD, Transit MC5231HD06 (Recommended tool: HT-CRIMPSET)	<b>BNC0.6/2.8HD</b>
HD-SDI/3G-SDI, 2-pole, male for cable: SC-Vector 0.8/3.7, Transit MC223HD (Recommended tool: HT-CRIMPSET)	<b>BNC0.8/3.7HD</b>
HD-SDI/3G-SDI, 2-pole, male for cable: SC-Vector Plus 1.2L/5.0, SC-Vector Plus 1.2L/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231 (Recommended tool: HT-CRIMP TOOL + HT-1250)	<b>BNC1.2/5.0HD</b>
HD-SDI/3G-SDI, 2-pole, male for cable: SC-Vector Plus RCB 1.6L/7.3 (Recommended tool: HT-CRIMPSET)	<b>BNC1.6/7.3HD</b>

HICON ▶ Video ▶ BNC CONNECTORS 3G-SDI / 6G-SDI

HICON®  
CONNECTORS

NEW!

6G-SDI 3G-SDI SDI/HD-SDI HDTV



1

**6G-SDI-Broadcast, BNC cable plug crimp 75 Ω,****4 μm hard gold-plated contact areas, internal thread in pin socket**

Housing: brass / beryllium bronze hard gold-plated, processed to resist corrosion.

DESCRIPTION	ORDER NO.
<b>1</b> 6G-SDI, 2-pole, male for cable: SC-Vector 0.8/3.7 (Recommended tool: HT-CRIMPSET)	<b>BNC0.8/3.7-6G</b>
6G-SDI, 2-pole, male for cable: SC-Vector Plus 1.2L/5.0, SC-Vector Plus 1.2L/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231 (Recommended tool: HT-CRIMP TOOL + HT-1250)	<b>BNC1.2/5.0-6G</b>
6G-SDI, 2-pole, male for cable: SC-Vector Plus 1.6L/7.3, SC-Vector Plus 1.6/7.0 (Recommended tool: HT-CRIMPSET)	<b>BNC1.6/7.3-6G</b>

3G-SDI SDI/HD-SDI HDTV



2

**HD-SDI/3G-SDI-Broadcast, BNC panel-mount socket crimp 75 Ω,****hard gold-plated contact surfaces 4 μm, female thread in pin**

Body: Brass/beryllium bronze, hard gold-plated, w. corrosion-proof coating.

DESCRIPTION	ORDER NO.
<b>2</b> HD-SDI/3G-SDI, 2-pole, female, <b>ground isolation, fits into D flange</b> for cable: SC-Slimline (RCB), Transit, Transit Kombi HD, Observer1 HD, Transit MC5230HD, Transit MC5231HD06	<b>BNC0.6/2.8FEH</b> [SYS BOXX]
<b>2</b> HD-SDI/3G-SDI, 2-pole female, <b>ground isolation, fits into D flange</b> for cable: SC-Vector 0.8/3.7	<b>BNC0.8/3.7FEH</b> [SYS BOXX]
HD-SDI/3G-SDI, 2-pole female, <b>ground isolation, fits into D flange</b> , no colour code possible (not shown), for cable: SC-Vector Plus 1.2/5.0, SC-Vector Plus 1.2/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231	<b>BNC1.2/5.0FEH</b> [SYS BOXX]
<b>NEW!</b> HD-SDI/3G-SDI, 2-pole female, <b>ground isolation, fits into D flange</b> (not shown), for cable: SC-Vector Plus RCB 1.6L/7.3, 1.6/7.1	<b>BNC1.6/7.3FEH</b> [SYS BOXX]
<b>3</b> HD-SDI/3G-SDI, 2-pole, female, <b>ground isolation</b> <b>With D flange metal with M3 thread</b> for cable: SC-Slimline (RCB), Transit, Transit Kombi HD, Observer1 HD, Transit MC5230HD, Transit MC5231HD06	<b>BNC0.6/2.8FDH</b> [SYS BOXX] [D]
<b>3</b> HD-SDI/3G-SDI, 2-pole female, <b>ground isolation</b> <b>With D flange metal with M3 thread</b> for cable: SC-Vector 0.8/3.7, Transit MC223HD	<b>BNC0.8/3.7FDH</b> [SYS BOXX] [D]
HD-SDI/3G-SDI, 2-pole female, <b>ground isolation</b> , <b>with D flange metal with M3 thread</b> for cable: SC-Vector Plus 1.2/5.0, SC-Vector Plus 1.2/4.8DZ, SC-Astral LLX, Transit MC3031, Transit MC3231	<b>BNC1.2/5.0FDH</b> [SYS BOXX] [D]
<b>NEW!</b> HD-SDI/3G-SDI, 2-pole female, <b>ground isolation</b> , <b>with D flange metal with M3 thread</b> (not shown) for cable: SC-Vector Plus RCB 1.6L/7.3, 1.6/7.3	<b>BNC1.6/7.3FDH</b> [SYS BOXX] [D]



3



4

**BNC panel socket, patch version for all 75 Ω patch cables**

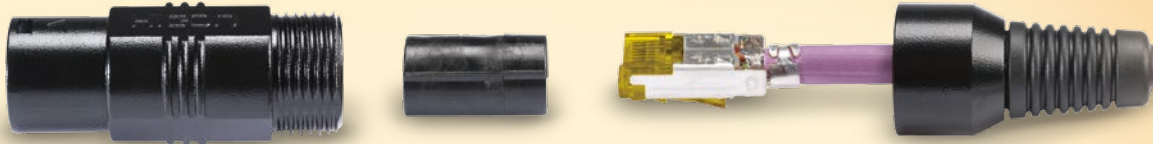
Metal housing. Corresponding colour code: BNC-FC-...



5

DESCRIPTION	ORDER NO.
<b>4</b> 2-pole, female <b>isolated ground, HDTV version</b>	<b>BNC-FP-HD</b> [SYS BOXX]
<b>5</b> 2-pole, female, <b>D flange metal with M3 thread</b> <b>isolated ground</b>	<b>BNC-FPD</b> [SYS BOXX] [D]
<b>5</b> 2-pole, female, <b>D flange metal with M3 thread</b> <b>isolated ground, HDTV version</b>	<b>BNC-FPD-HD</b> [SYS BOXX] [D]



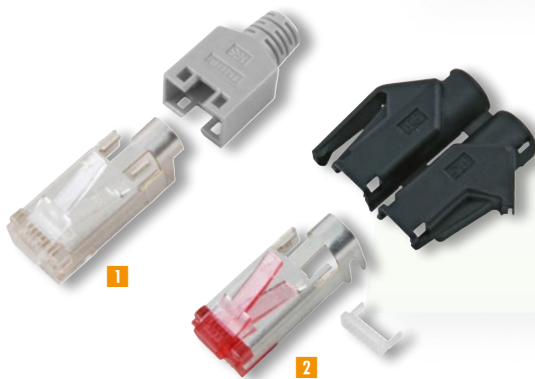
HICON ▶ Data/Network ▶ **RJ45****HICON**  
CONNECTORS

The **RJ45** plug (ISO/IEC 11801) was special-designed for the data transmission in networks, but has also become indispensable in the digital audio and video transmission domains and is now underway towards a universal connector for the network (10BaseT, 100BaseTX, GBit-Ethernet) and media technology sectors.

Besides the selected RJ45 quality connectors from HIROSE, we offer you the ONESIZE universal connectors which can be mounted fast and easily using a tool-free IDC clamping/cutting system. Ideal for the mobile field and road use, but also for connecting solutions with large cable gauges over long transmission distances, incl. strain relief. Ready to fit all CAT.5, CAT.6a, CAT.7 patch and installation lines up to AWG22. Standardised according to ISO/IEC 11801:2002.

For these RJ45 connectors (exception: RJ45CMXL-GR) HICON offers a sturdy protective housing system for mobile applications.

Suitable surface- and flush-mounted frames can be found in under "Multicore and Distribution Systems" > "Network sockets" and also under "Modular Systems" > "SYSWALL".

**RJ45 quality plug, crimp version**

...ready to fit our twisted pair lines.

Suitable pliers: CZ-RJ45HR

Matching RJ45 protective housing: HI-RJ45-HD

When ordering, please specify your desired grommet colour:

black (**SW**), grey (**GR**), blue (**BL**), red (**RT**), green (**GN**).

Otherwise we will supply the grommet in black.

DESCRIPTION	ORDER NO.
<b>1</b> HIROSE CAT.5e, 150 MHz, <b>Max. cable Ø 5.8 mm, max. AWG26/7</b> Recommended cable: SC-Mercator CAT.5e PUR and CAT.7 PUR	<b>RJ45C5E-COLOUR</b>
<b>2</b> HIROSE CAT.6, 250 MHz, <b>Max. cable Ø 6.6 mm, max. AWG24/7</b> Recommended cable: SC-Mercator CAT.7 PUR	<b>RJ45C6-COLOUR</b>

**HIROSE CAT.6a, crimp version**

500 MHz, 10 Gbit

Suitable pliers: CZ-RJ45HR

Recommended cable: SC-Mercator CAT.7 PUR, 581-0071

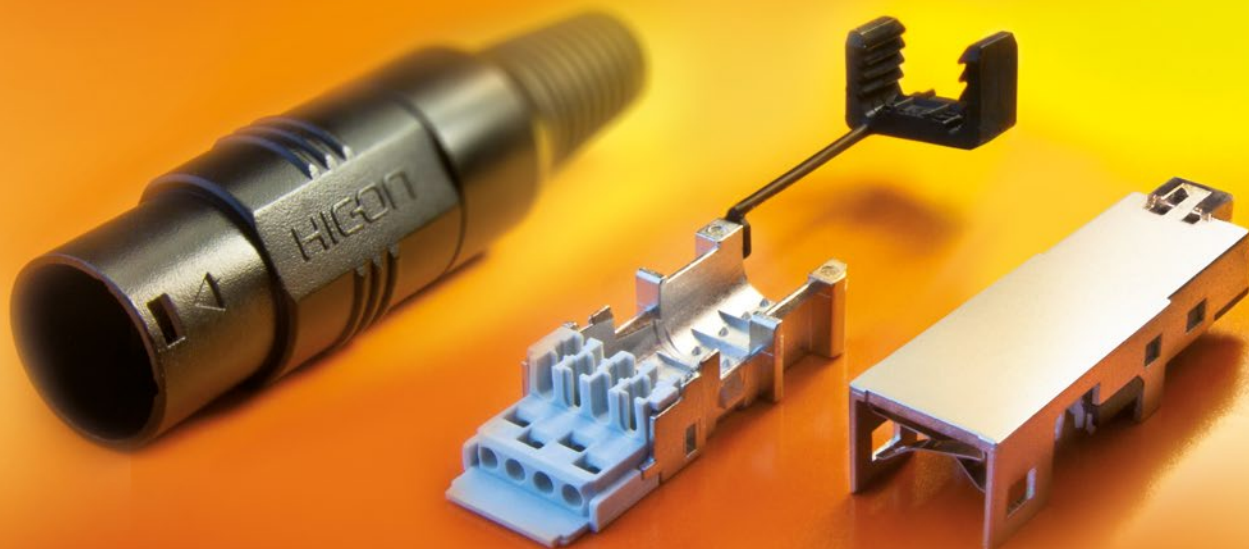
Matching RJ45 protective housing: HI-RJ45-HD

When ordering, please specify your desired grommet colour:

black (**SW**), grey (**GR**), blue (**BL**), red (**RT**), green (**GN**).



DESCRIPTION	ORDER NO.
<b>3</b> HIROSE CAT.6a, 500 MHz, <b>Max. cable Ø 6.6 mm, max. AWG24/7</b>	<b>RJ45C6A-COLOUR</b>



CONNECTORS



**RJ45 ONESIZE connector**

Metal housing.  
IDC clamping/cutting, **no tools required for installation.**  
CAT.6a/10 Gbit/IP20.  
May be configured according to T568A or T568B  
Also suitable for Power over Ethernet PoE+ applications.  
Recommended cable: SSC-Mercator CAT.7 PUR XL, 581-0251  
Matching RJ45 protective housing: HI-C6XL-HD



DESCRIPTION	ORDER NO.
<b>1</b> RJ45 ONESIZE Splug, metal Cable Ø 5.5 – 8.5 mm, max. AWG 22	<b>RJ45C6XL</b>



**HICON RJ45 design RJ45 protective housing**

...fits D flange RJ45 sockets from Neutrik (CAT.5e) and HICON. (trademark rights applied for)  
Plug housing: Full metal, black. Comes without RJ45 connector.

DESCRIPTION	ORDER NO.
<b>2</b> Connector housing XLR format for standard RJ45 Max. cable Ø 8.2 mm RJ45 recommendation: RJ45C6A-SW	<b>HI-RJ45-HD</b>
<b>2</b> Connector housing XLR format Max. cable Ø 8.2 mm Ready to fit the RJ45 connector RJ45C6-XL and our network cable SSC-Mercator CAT.7 PUR XL, 581-0251 >> the ideal system for mobile digital applications with large transmission distances and high performance	<b>HI-C6XL-HD</b>

**NEW!**



**Accessories for HI-RJ45-HD and HI-C6XL-HD**

DESCRIPTION	COLOUR	ORDER NO.
<b>3</b> Protective cap (thermoplastic rubber TPR)	■ black	<b>CAP-19MM</b>
<b>4</b> Colour code	■ red	<b>HI-RC-RT</b>
	■ yellow	<b>HI-RC-GE</b>
	■ green	<b>HI-RC-GN</b>
	■ blue	<b>HI-RC-BL</b>
	■ grey	<b>HI-RC-GR</b>
	■ black	<b>HI-RC-SW</b>



1

NEW!

**RJ45 ONESIZE connector, 90° angled (4 mounting directions)**

Metal shell.

IDC clamp/cut, tool-free assembly.

CAT.6a/10 Gbit/IP20.

Pin assignment according to T568A.

also suitable for PoE+ (Power over Ethernet) applications.

Recommended cable: SC-Mercator CAT.7 PUR XL, 581-0251

Matching RJ45 protective housing: HI-C6XL-HD.

10  
Gbit**DESCRIPTION**

- 1 RJ45 ONESIZE connector, metal, 90° angled  
Cable Ø 5.5 – 10.0 mm, max. AWG22

**ORDER NO.**

RJ45C6XL-A



2

NEW!

**RJ45 ONESIZE connector, CAT.6**

Black plastic.

IDC clamp/cut, tool-free assembly.

CAT.6/IP20.

Pin assignment according to T568B.

**DESCRIPTION**

- 2 RJ45 ONESIZE connector, plastic  
Cable Ø 5.5 – 8.0 mm, max. AWG26-23

**ORDER NO.**

RJ45CM6-SW



3

**RJ45 ONESIZE connector**

Black plastic.

IDC clamping/cutting, **tool-free installation.**

UL94V0, CAT.6a/10 Gbit/IP20.

10  
Gbit**DESCRIPTION**

- 3 RJ45 ONESIZE connector, plastic  
Cable Ø 4.5 – 8.0 mm, max. AWG22

**ORDER NO.**

RJ45CMXL-SW



4



5

**RJ45 ONESIZE socket, Keystone SnapIn format**

Full metal housing.

**DESCRIPTION**

- 4 RJ45 ONESIZE socket, CAT.6a/10 Gbit/IP20  
IDC clamping/cutting, tool-free installation  
Recommended cable: SC-Mercator CAT.7 PUR XL 581-0251 and  
SC-Mercator CAT.7 Install 580-0255F

10  
Gbit**ORDER NO.**

RJ45CFXL

- 5 RJ45 ONESIZE **patch socket**, CAT.6

KST-RJ45C6-P

- 5 RJ45 ONESIZE **patch socket**,  
CAT.6a/10 Gbit

10  
Gbit

KST-RJ45C6A-P





**NEW!**

**RJ45-Coupler** class FA  
for repairs and subsequent making of LAN connections  
AWG26-22, cable Ø 5.5 - 9.0 mm  
Wire Ø 0.85 - 1.6 mm  
Mounting size SW20



DESCRIPTION	ORDER NO.
1 RJ45-Coupler	RJ45-COUP



**Sleeve support for RJ45 HIROSE, 90° angled**  
Black plastic.

DESCRIPTION	ORDER NO.
2 Sleeve support for RJ45 HIROSE <b>90° angled left/right</b>	RJ45-KS90LR
3 Sleeve support for RJ45 HIROSE <b>90° angled up/down</b>	RJ45-KS90UD



**NEW!**

**CAT.6a M12x1 8-pole cable plug**  
(IEC 61076-2-109)  
Mounting size SW18 (0.6 Nm)  
For industrial and medical-technical applications



DESCRIPTION	ORDER NO.
4 CAT.6a M12x1 8-pole cable plug <b>Cable Ø 5.5 - 9.0 mm, max. AWG26-22</b>	M12-8MC-C6A



**Universal crimping pliers for 8-pole HIROSE RJ45 connectors**  
Strain relief and contact crimping in one go.  
More crimping pliers see the "Hardware and Accessories" section.

DESCRIPTION	ORDER NO.
5 Crimping pliers <b>RJ45 CAT.5e, CAT.6 and CAT.6a</b>	CZ-RJ45HR

CONNECTORS

HICON ▶ Data/Network ▶ FIBER

NEW!

HICON  
CONNECTORS

CONNECTORS



### Everything is getting easier...

because the HICON HI-FIBER connector fits on all 4-fibre cables and with a bit of experience you will be able to carry out a repair on site yourself. Our road-proof HICON HI-FIBER connecting system is based on 4 LC fibre optical lines that are protected by a robust, compact metal housing technology. It consists of a cable plug and an installation socket in the compact D flange format which can also be used as a universal cable coupling for extension (cascading). Via the socket one can also link the HICON HI-FIBER system with a max. of 4 conventional LC cables (or else two LC-Duplex lines) and connect it to existing LC systems or LC/ST, LC/SC adapters – simply plug in LC and you're ready to go.

The **HI-FIBER4-MC** cable plug can be fitted with a max. of 4 LC connectors which are assembled and pushed into the quad fixture after inserting the cable. The protective cap and a spring-loaded protection sleeve will save the sensitive fibre system from dirt and damages. Simply put the cable plug on the socket heeding the indentation and lock it by pushing the push-pull locking ring forward. As strain relief and cable sleeve support we use the proven standard cable screw joint (M16 x 1.5) which easily takes up all common 4-fibre cable gauges from 5 to 9 mm. (Trademark rights applied for)

If you know already how to assemble LC connectors, you can finish the **HI-FIBER4-MC** as well. However, we advise you to attend our reasonably-priced half-day seminars on the **SOMMER** premises, where you cannot only take home a certificate with you, but also some tricks and tool recommendations.

Following your certification you will automatically be admitted to our HI-FIBER supporting network which every user may call up in the field on our website, e.g. in case of an emergency.

On the introductory **SOMMER CABLE** full catalogue pages you will find suitable 4-fibre cables for installation (PE, LSZH) and mobile applications (PUR, PMB), see "Cables Bulkware". We also offer you finished HI-FIBER systems in the sections "Ready-made Cables" and "Multicore & Distribution Systems".

### Your benefits at one glance:

- >> **Robust, compact field connection system** for optical transmissions
- >> Complete with **dirt protection cap**
- >> Comfortable **push-pull quick-release fastener**
- >> Sealed system with **IP68 protection class** in plugged condition
- >> **High packing density**, panel socket in the **D flange format** – rear mountable
- >> **Installation socket and universal cable coupling in one**
- >> **Easy connection** to existing LC systems
- >> Assembly and revision by any experienced fibre optic technician (LC)
- >> Cost-efficient user assembly tuitions



**CAUTION:** Avoid by all means direct eye contact – retinal hazard!

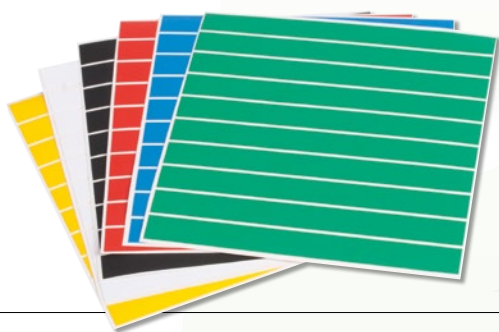




**DESCRIPTION**

**ORDER NO.**





<b>1</b>	<b>4 x LC Cable plug housing, IP68 protection class</b> incl. protective cap, w/o LC connector. For cable Ø 5 - 9 mm. Recommended cable: SC-Octopus-G 590-0111-04(-OM3) and 590-0311-04(-OM3) Matching colour code rings: HI-UC-COLOUR. For detailed information please see the HICON summary page at beginning of the chapter	<b>HI-FIBER4-MC</b>
<b>2 &amp; 3</b>	<b>LC connector, fits HI-FIBER4-MC</b> (for a full configuration 4 items are needed):	
<b>2</b>	<b>For all multimode fibres of all grades</b>	<b>HI-LC01</b>
<b>3</b>	<b>For all singlemode fibres of all grades</b>	<b>HI-LC02</b>
<b>4</b>	<b>4 x LC coupling</b> for installation and extension D-flange with 2 x M3 thread and 2 x M3 counterbore	<b>HI-FIBER4-FD</b>
<b>5</b>	<b>Protective cap with fastening cord</b> for LC coupling HI-FIBER4-FD	<b>HI-FIBER4-FCAP</b>
<b>6</b>	<b>Gasket against dust and water</b> for LC coupling HI-FIBER4-FD	<b>SCDPO</b>

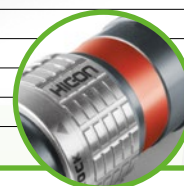


**Colour coding for the HI-FIBER4-MC**

**COLOUR CODE**

**ORDER NO.**  
**10-pack**

	Red	<b>HI-FC-RT</b>
	Yellow	<b>HI-FC-GE</b>
	Green	<b>HI-FC-GN</b>
	Blue	<b>HI-FC-BL</b>
	Black	<b>HI-FC-SW</b>
	White	<b>HI-FC-WS</b>




The coloured stripes in black, white and yellow are also available with your personal overprint as requested! Let's talk about it.




**DESCRIPTION**

**ORDER NO.**

<b>7</b>	<b>Professional toolbox</b> for HI-FIBER4 system containing: Syringe, canula, AlcoPads, fibre stripper, stripping tool, aramid scissors, epoxy adhesive, polishing foils and disc, drying cabinet, microscope 200x etc.	<b>HI-WLC-SET</b>
<b>8</b>	<b>One-click cleaner</b> for fibre optical plugs, also in recessed position, <b>without deinstallation</b>	<b>FIBERCLEAN</b>
<b>9</b>	<b>200 Cleaning wipes</b> for all fibre optical fibre endings	<b>FIBERWIPES</b>

Mounting adapter	Connection	ORDER NO.
	<b>[SYSBOXX]</b> 4xLC ⇔ 4xLC patch coupling, singlemode, metal fits into <b>SYSBOXX</b> front panel SBF-2-1-1GF: 4 x	<b>GF-LC4LC4-FF</b>

Mounting adapter	Connection	ORDER NO.
	<b>[SYSBOXX]</b> 2xSC ⇔ 2xSC Duplex patch coupling, singlemode, metal fits into <b>SYSBOXX</b> front panel SBF-2-1-1GF: 2 x Duplex	<b>GF-SC2SC2-FF</b>



HICON ▶ A/V Accessories ▶ **UNIVERSAL D FLANGE and COLOUR CODING****HICON**  
CONNECTORS

All **HICON** products labelled with the **SYSEX** logo can be mounted into the recessed D flange HI-DET or HI-DET-M (Metal version with M3 thread) and will thus fit into our modular **SYSEX** system box (see Multicore Systems). The hole diameter of 12.5 mm takes all audio, video, FOC and DATA panel-mount connectors with 1/2" outside thread.

For this we recommend our mounting tool WSW16.

The matching colour code rings in 11 different hues allow you to create your own ID labels. **HICON** also offers a low-price D dummy cover, available either with **SOMMER CABLE** or **HICON** front logo or without logo.

**Mounting examples with HI-DET and colour code rings**  
(from top left to bottom right):

- 1 x RCA F-BAS (yellow)
- 3 x BNC (RGB colour code)
- 1 x FOC-ST connector (orange)
- S-VHS Hosiden (neutral)
- 2 x RCA Audio (white, red)

**Colour code rings for HI-DET/HI-DET-M****SYSEX****COLOUR**

- Red
- Orange
- Yellow
- Brown
- Green
- Blue
- Grey
- White
- Mint green
- Pink
- Violet

**ORDER NO.  
per pc.**

**HI-DR-RT**  
**HI-DR-OR**  
**HI-DR-GE**  
**HI-DR-BR**  
**HI-DR-GN**  
**HI-DR-BL**  
**HI-DR-GR**  
**HI-DR-WS**  
**HI-DR-MN**  
**HI-DR-PN**  
**HI-DR-VI**

**Universal D flange, recessed, with 12.5 mm opening diameter****DESCRIPTION**

Universal D flange  
**Plastic version**

**ORDER NO.**

**HI-DET**  
**SYSEX D**

Universal D flange  
**Metal version** with M3 thread

**HI-DET-M**  
**SYSEX D**

**D flange dummy cover**

Plastic version.

**SYSEX D****DESCRIPTION**

- 1** D flange for rear panel flush mounting with **2.0 mm raised SOMMER CABLE logo**
- 2** D flange **w/o logo, flat**
- 3** D flange for rear panel flush mounting with **2.0 mm raised HICON logo**
- 4** D flange **with PG13 holes**
- 4** D flange **with M16 holes**
- 5** D flange **with D hole for BNC etc.**

**ORDER NO.**

**HI-DAS**  
**HI-DAH1**  
**HI-DAH2**  
**HI-DAPG13**  
**HI-DAM16**  
**HI-DAE**

**Universal housing for D flange, 100 mm long**

Metal version.

Ideal for small adapters, possibly with integrated circuit, DI boxes etc.

**DESCRIPTION**

Universal housing for D flange,  
incl. Torx screws

**ORDER NO.**

**HI-HOUSING**

HICON ▶ A/V Accessories ▶ **SWITCHES/PUSHBUTTONS/POTENTIOMETERS with D FLANGE****HICON**  
CONNECTORS

The perfect choice for the installation and event technology are these rocker switches and pushbuttons in the practical D flange format, making them compatible with all SYS housing series.



Material: Switch polyamide / D flange metal  
 Insulation resistance: > 100 MΩ / 500 VDC  
 Voltage-proof: 1000 VAC / 1 min  
 Connection: Blade terminal 4.8 x 0.8 mm  
 Standards: UL 94 V2, RoHS

**Switches/toggle switch, D flange type**  
Metal.**SYS BOXX** **D**

DESCRIPTION	ORDER NO.
<b>1</b> Switch 1-pole on/off <b>6 A / 250 VAC</b>	<b>HI-SW01</b>
<b>2</b> Switch <b>2-pole</b> on/off <b>10 A / 250 VAC</b>	<b>HI-SW02</b>
<b>3</b> Switch 1-pole on/off/on <b>6 A / 250 VAC</b>	<b>HI-SW04</b>
<b>4</b> <b>Toggle switch</b> 1-pole on/off <b>6 A / 230 VAC</b>	<b>HI-SW06</b>

**Switch LED, D flange type**  
Metal.**SYS BOXX** **D**

DESCRIPTION	ORDER NO.
<b>5</b> Switch LED <b>green</b> 1-pole on/off <b>10 A / 12 VDC</b>	<b>HI-SW03-GN</b>
<b>6</b> Switch LED <b>red</b> 1-pole on/off <b>10 A / 12 VDC</b>	<b>HI-SW03-RT</b>
<b>7</b> Switch Glow lamp <b>red</b> 2-pole on/off <b>10 A / 250 VAC</b>	<b>HI-SW05-RT</b>
<b>8</b> Switch Glow lamp <b>yellow</b> 2-pole on/off <b>10 A / 250 VAC</b>	<b>HI-SW05-GE</b>
<b>9</b> Switch Glow lamp <b>green</b> 2-pole on/off <b>10 A / 250 VAC</b>	<b>HI-SW05-GN</b>

**Fuse holder, D flange type**  
Metal.**SYS BOXX** **D**

DESCRIPTION	ORDER NO.
<b>10</b> Fuse holder <b>5 x 20 mm, 230 V max. 10 A</b>	<b>HI-SI01</b>

**Pushbutton, D flange type**  
Metal.**SYS BOXX** **D**

DESCRIPTION	ORDER NO.
<b>11</b> Pushbutton <b>black</b> 1-pole on (off) <b>1.5 A / 250 VAC</b>	<b>HI-TA01-SW</b>
<b>12</b> Pushbutton <b>red</b> 1-pole on (off) <b>1.5 A / 250 VAC</b>	<b>HI-TA01-RT</b>

**Potentiometer, D flange type**  
Metal.**SYS BOXX** **D**

DESCRIPTION	ORDER NO.
<b>HIGH END Stereo</b> potentiometer, <b>blue</b> <b>50 kΩ linear, 90 dB</b>	<b>HI-PT01-BL</b>
<b>13</b> <b>HIGH END Stereo</b> potentiometer, <b>red</b> <b>50 kΩ linear, 90 dB</b>	<b>HI-PT01-RT</b>
<b>HIGH END Stereo</b> potentiometer, <b>grey</b> <b>50 kΩ linear, 90 dB</b>	<b>HI-PT01-GR</b>
<b>BASIC</b> potentiometer, <b>blue</b> <b>50 kΩ linear, 90 dB</b>	<b>HI-PT02-BL</b>
<b>BASIC</b> potentiometer, <b>red</b> <b>50 kΩ linear, 90 dB</b>	<b>HI-PT02-RT</b>
<b>14</b> <b>BASIC</b> potentiometer, <b>grey</b> <b>50 kΩ linear, 90 dB</b>	<b>HI-PT02-GR</b>

**NEW!****MIDI panel socket, D-flange type, solder version**  
All-metal housing.

DESCRIPTION	ORDER NO.
<b>15</b> MIDI panel socket, 5-pole	<b>HI-MIDI-EFD</b>

Connectors ▶ Digital ▶ **KEYSTONE PANEL CLIP CONNECTORS**

[SYS BOXX]

*The CLIP principle!*

The super compact panel connectors in the Keystone format are suitable e.g. for special 19" panels, wall sockets and also for all SYSStems such as **SYSBOXX**, **SYSDESK**, **SYSWALL**, **SYSFLOOR** etc. With the KST-D these connectors can also be mounted into all D holes.

Thus the most versatile **desired configurations in any mediatechnical installation** will become a reality!

**ORDER NO. DESCRIPTION**

<b>1</b>	<b>KST-AFAF-P-COLOUR*</b>	Antenna fem. ↔ Antenna fem., patch
<b>2</b>	<b>KST-AMAM-P-COLOUR*</b>	Antenna male ↔ Antenna male, patch
<b>3</b>	<b>KST-BEF-RT</b>	Banane fem. ↔ Solder/push-on connection, red
	<b>KST-BEF-SW</b>	Banane fem. ↔ Solder/push-on connection, black
<b>4</b>	<b>KST-BNBN-P-COLOUR**</b>	BNC fem. ↔ BNC fem., patch
<b>5</b>	<b>KST-BNBN-C-COLOUR**</b>	BNC fem. ↔ BNC fem. at the cable
<b>6</b>	<b>KST-BNCI-P-COLOUR**</b>	BNC fem. ↔ RCA fem., patch
<b>7</b>	<b>KST-CICI-P-COLOUR**</b>	RCA fem. ↔ RCA fem., patch
<b>8</b>	<b>KST-CICI-C-COLOUR**</b>	RCA fem. ↔ RCA fem. at the cable
<b>9</b>	<b>KST-CI-S-COLOUR**</b>	RCA fem. ↔ Plug-in/screw terminal
<b>10</b>	<b>KST-FSFS-P-COLOUR*</b>	F socket ↔ F socket, patch
<b>11</b>	<b>KST-HDHD-P1-COLOUR*</b>	HDMI fem. ↔ HDMI fem., patch
<b>12</b>	<b>KST-HDHD-P2-WS</b>	HDMI fem. ↔ HDMI fem., <b>short installation depth</b> , white, patch
<b>13</b>	<b>KST-HDHD-C-COLOUR**</b>	HDMI fem. ↔ HDMI fem. at the cable
	<b>KST-DMDP-C</b>	Display port mini female ↔ display port male on cable (not shown)
	<b>NEW!</b>	
<b>14</b>	<b>KST-J3J3-P-COLOUR*</b>	3.5 mm Stereo mini jack fem. ↔ 3.5 mm Stereo mini jack fem., patch
<b>15</b>	<b>KST-J3-S-COLOUR*</b>	3.5 mm Stereo mini jack fem. ↔ Plug-in/screw terminal
<b>16</b>	<b>KST-J3J3-C-COLOUR**</b>	3.5 mm Stereo mini jack fem. ↔ 3.5 mm Stereo mini jack fem. at the cable
<b>17</b>	<b>KST-J3CI-C-COLOUR**</b>	3.5 mm Stereo mini jack fem. ↔ 2 x RCA fem. at the cable
<b>18</b>	<b>KST-L1L1-P-COLOUR*</b>	SC fem. ↔ SC fem., LWL Simplex, patch
<b>19</b>	<b>KST-L3L3-P-COLOUR*</b>	LC fem. ↔ LC fem., LWL Duplex, patch
<b>20</b>	<b>KST-2LS</b>	2 x Loudspeaker panel connector, colour coding red-black (set), clamping terminal max. 1.5 mm <sup>2</sup> , rear solder tail

**ORDER NO. DESCRIPTION**

<b>21</b>	<b>KST-RJ45C5-P</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.5e, patch
	<b>KST-RJ45C6-P</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.6, patch
	<b>KST-RJ45C6-P-90</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.6, patch, <b>90° angled</b>
	<b>KST-RJ45C6A-P</b>	RJ45 fem. ↔ RJ45 fem., fully shielded, CAT.6a, patch
	<b>10 Gbit</b>	
<b>22</b>	<b>KST-UTPC6-P</b>	ISDN, RJ45 fem. ↔ RJ45 fem., unshielded, CAT.6 downward compatible, patch
<b>23</b>	<b>KST-SVSV-P</b>	S-VHS, Hosiden 4 fem. ↔ S-VHS Hosiden 4 fem., patch
<b>24</b>	<b>KST-TLTL-P-COLOUR*</b>	Toslink fem. ↔ Toslink fem., patch
<b>25</b>	<b>KST-UAUA-P1-COLOUR*</b>	USB A fem. ↔ USB A fem., patch
<b>26</b>	<b>KST-U3AU3A-P</b>	USB 3.0 A fem. ↔ USB 3.0 A fem., patch
<b>27</b>	<b>KST-FWFW-P</b>	Firewire fem. ↔ Firewire fem., patch
<b>28</b>	<b>RJ45CFXL</b>	RJ45 CAT.5/CAT.6/CAT.7 ONESIZE socket LSA, full metal housing, compatible with Keystone format for CAT lines AWG 26 - 22, max. Ø 8.0 mm
	<b>10 Gbit</b>	
<b>29</b>	<b>RJ45CFXL-90</b>	Downward outlet 90°
<b>30</b>	<b>RJ45CFXL-270</b>	Upward outlet 90°
<b>31</b>	<b>KST-CAP-WS</b>	Closing cap / dummy plug, white
	<b>KST-CAP-SW</b>	Closing cap / dummy plug, white
<b>32</b>	<b>KST-D</b>	Closing cap / dummy plug, white
<b>33</b>	<b>KST-DR</b>	D shape with Keystone socket, suitable for reverse mounting

Multiple adapter bases for ground tanks and 19" racks can be found at the end of the "Multicore Systems" chapter and in the "Modular Systems" section.

\* please specify colour:

■ black (-SW)    □ white (-WS)

\*\* please specify colour:

■ red (-RT)    ■ green (-GN)    ■ yellow (-GE)    ■ blue (-BL)    ■ black (-SW)    □ white (-WS)



**TRANSFORMER TECHNOLOGY**



These German-made microphone split transformers are custom-manufactured for **SOMMER CABLE** and impress by their linearity, little oscillation tendency and low coil impedances. The housings are designed for print mounting, have a Mu metal screen and thus guarantee an optimal shielding against interfering signals. We also supply the matching single pc board for the SOMMER transformers – the SOMMER SPLIT BOARD for DIY assembly. This board is designed both for the 1:1 SPLIT and the 1:1+1 SPLIT in connection with a NEUTRIK NC3FDH and is also available as a 4-channel version with 30 mm contact spacing for single-channel split solutions up to multi-channel splitter systems.

For extremely demanding applications we recommend the transformers from the Swedish manufacturer LUNDAHL. The **LL1570** type is designed for microphone split applications with a maximum input level of +16 dBu, the **LL5402** is a special line split transformer for max. line levels of 22 dBu (distortion < 1 % at 50 Hz). We supply both models separately or on a ready-made 4-channel board with resonance damping and signal isolation. The 4-channel modules have been optimised for the use in SYSBOXX housings; these can be found in the “Modular Systems” section. Both transformers fully comply with all broadcasting specifications.

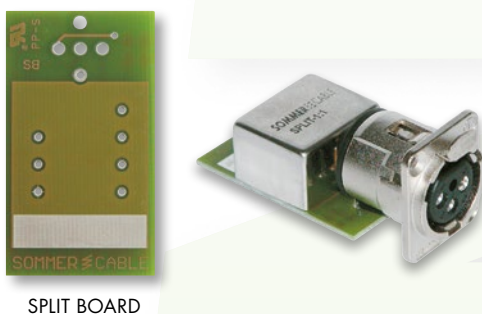


TECHNICAL DATA	SPLIT 1:1	SPLIT 1:1+1	LL1570	LL5402
Application:	Microphone transmission	Microphone transmission	Microphone transformer	Line transformer
Transformer type:	1:1	1:1+1	1+1:1+1	1+1:1+1
Housing screen:	MU-metal	MU-metal	MU-metal	MU-metal
Footprint (approx.):	28 x 23 mm	28 x 23.5 mm	38 x 24 mm	43 x 28 mm
Height (approx.):	17 mm	17 mm	17 mm	21 mm
Input / source:	600 Ohm	600 Ohm	600 Ohm	600 Ohm
Output / load:	10 kOhm	10 kOhm	1 kOhm	600 Ohm
max. level:	+12 dB	+12 dB	+16 dB	+22 dBu
Distortion:	< 1.0 % @ 40 Hz	< 1.0 % @ 40 Hz	< 1.0 % @ 50 Hz	< 0.1 % @ 50Hz
Frequency response:	40 – 15,000 Hz (±0.5 dB)	40 – 15,000 Hz (±0.5 dB)	10 – 200,000 Hz (±0.5 dB)	20 – 40,000 Hz (±0.3 dB)
Test voltage coil/coil:	500 V	500 V	4 kV	4 kV
Test voltage coil/core:	500 V	500 V	2 kV	2 kV
<b>ORDER NO.</b>	<b>SPLIT-1:1</b>	<b>SPLIT-1:1+1</b>	<b>LL1570</b>	<b>LL5402</b>

**Suitable board for DIY assembly:**

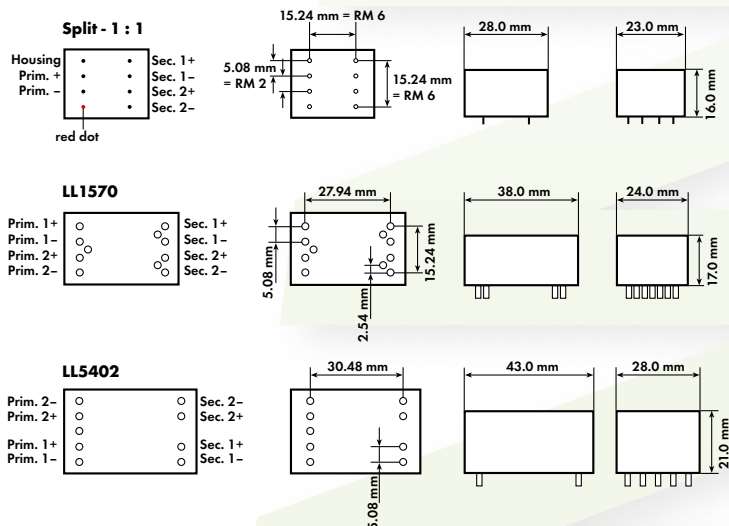
ORDER NO.	SPLIT-BOARD*	SPLIT-BOARD
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\* When using the SPLIT 1:1 on the SPLIT-BOARD, only output 2 is wired.




SPLIT BOARD

Dimensions, contact spacings and pin assignment of transformers



**Ready-assembled transformer boards**

1-channel	ORDER NO.
SOMMER SPLIT 1:1	<b>SPLIT-B-1:1</b>
SOMMER SPLIT 1:1+1	<b>SPLIT-B-1:1+1</b>
4-channel 	
SOMMER SPLIT 1:1 / 4-channel mic splitter board	<b>SBC13-4XF1:1S</b>
SOMMER SPLIT 1:1+1 / 4-channel mic splitter board	<b>SBC13-4XF1:1+1S</b>
Lundahl LL1570 / 4-channel mic splitter board	<b>SBC13-4XF1:1+1L</b>
Lundahl LL5402 / 4-channel L line splitter board	<b>SBC13-4XM1:1L</b>

**4-channel** with 30 mm hole spacing, to fit our BLACKBOXX, PLUG MAMA and THE BOXX MKII enclosure series (see section on “Modular Systems”)



4-channel	ORDER NO.
Connector module. Clamping terminal with 4 x XLR f with 1:1 transformer.	<b>IBC-4XF1:1S</b>



## Telegärtner

The well-established German company **TELEGÄRTNER** has seven branches worldwide. They are famous for a huge variety of top-quality 50 Ω connectors. This likeable and professionally structured company is a market leader in the field of SMA/SMB and 50 Ω technology, but also we can recommend their 75 Ω connectors.

**SOMMER CABLE** is an official distribution partner of **TELEGÄRTNER** GmbH. Therefore, we can offer you the complete product range and good service. We also have the benefit of proximity, as the **TELEGÄRTNER** GmbH is barely an hour away from **SOMMER CABLE**.

Telegärtner ▶ Video ▶ **BNC**



## Telegärtner

### BNC 75 Ω cable plug crimp

for cable  
(suitable tool) ORDER NO.



Cinema-SV, Transit Mini Flex, Transit Mini Kombi,  
Transit Mini Control, Transit MC 72491, SC-Kinetic,  
Intercom Mini, RG 179A/U, SC-Monomax  
(HT-CRIMPSET) **BNC0.3/1.8-T**



Transit MC 113, 123 HD, 343  
(HT-CRIMPSET) **BNC0.4/2.5-T**



SC-Slimline (RCB), Transit, Transit Kombi HD,  
Observer 1 HD, Transit MC 523 HD, Transit MC 8232  
(HT-CRIMPSET) **BNC0.6/2.8-T**



SC-Slimline (RCB), Transit, Transit MC 523 HD/8232,  
Transit Kombi HD, Observer 1 HD  
(HT-CRIMPSET) **BNC0.6/2.8HDTV-T**



SC-Vector 0.8/3.7, Transit 5231 HD  
(HT-CRIMPSET) **BNC0.8/3.8HDTV-T**



SC-RCBS 1.0/4.8, Transit 2005  
**BNC1.0/4.6HDTV-T**



SC-Visionline  
(HT-106H) **BNC1.0/6.6-T**



SC-Vector Plus 1.2/5.0, SC-Astral LLX,  
SC-Vector Plus 1.2L/4.8DZ, Transit MC 3031/3231  
**BNC1.2/5.0-T**



SC-VECTOR PLUS RCB 1.6/7.3  
(HT-CRIMPSET) **BNC1.6/7.3HDTV-T**



RG11A/U  
(HT-CRIMPSET) **BNC11-T**

### BNC 75 Ω cable socket crimp

for cable  
(suitable tool) ORDER NO.



Cinema-SV, Transit Mini Flex, Transit Mini Kombi,  
Transit Mini Control, Transit MC 72491, SC-Kinetic,  
Intercom Mini, RG 179A/U, SC-Monomax  
(HT-CRIMPSET) **BNC0.3/1.8FK-T**



Transit MC 113, 123 HD, 343  
(HT-CRIMPSET) **BNC0.4/2.5FK-T**

### BNC 50 Ω cable plug crimp

for cable  
(suitable tool) ORDER NO.



RG8/U  
(HT-CRIMPSET) **BNC213-T**



RG213/LL  
(HT-CRIMPSET) **BNC213LL-T**

Telegärtner ▶ Video ▶ **BNC EasyGrip**

3G-SDI



The special-designed BNC EasyGrip connectors have outstanding transmission properties up to 3 GHz and are therefore HDTV-capable. Furthermore they are compatible with all conventional 75 Ω BNC connections. The particularly slim design due to a reduced diameter at the rear rotating range allows an extremely high packing density as well as comfortable access options for plugging in and out.

The robust zinc die-cast housing offers a reliable protection against damages due to mechanical strain, while the integrated sleeve support ensures a long cable life. The connectors are water- and dustproof according to IP67 protection class. They are especially suited for the professional use in studios, OB vans and at major events.

**BNC-EasyGrip cable plug crimp for cable (suitable tool)**

**ORDER NO.**

SC-Slimline (RCB), Transit, Transit Kombi HD, Observer 1 HD, Transit MC523HD, Transit MC8232  
(WCZ-HD3G + WEC-HD3G-0628) **BNC0.6/2.8HD3G-T**

SC-Vector 0.8/3.7, Transit 5231 HD  
(WCZ-HD3G + WEC-HD3G-0837) **BNC0.8/3.7HD3G-T**

SC-Vector Plus 1.2/5.0, SC-Astral LLX, Transit MC3031, Transit MC3231  
(WCZ-HD3G + WEC-HD3G-1250) **BNC1.2/5.0HD3G-T**

**ORDER NO. -COLOUR Matching sleeve supports**

**K502-COLOUR** for BNC0.6/2.8HD3G-T and BNC0.8/3.7HD3G-T  
**K504-COLOUR** for BNC1.2/5.0HD3G-T

please specify colour: ■ red (-RT) ■ green (-GN) ■ yellow (-GE)  
■ blue (-BL) ■ violet (-VI)

**ORDER NO. Suitable crimping pliers and exchangeable inserts**

**WCZ1200** Crimping pliers, incl. case  
**WEC-HD3G-0628** Insert for BNC0.6/2.8HD3G-T  
**WEC-HD3G-0837** Insert for BNC0.8/3.7HD3G-T  
**WEC-HD3G-1250** Insert for BNC1.2/5.0HD3G-T



Telegärtner ▶ **SMA / TNC / MCXM / N CONNECTORS**



> **TNC**

The **TNC** connector is mostly used for transmissions beyond 11 GHz. **TNC** connectors are vibration-resistant and used for signal, data and video transmissions. When mated (mating pattern between plug and socket), they comply with the IP68 protection class standard. Nearly all other common **TNC** types can be delivered within a few days.

> **SMA**

These connectors represent the most dependable connectors in the fields of mobile radio, W-LAN, satellite technology and in metrology. **SMA** connectors have the specific wave impedance of 50 Ω and function in a frequency range of 18 GHz.

> **SMB/SMC/SMS**

**SMB** connectors feature a snap-on technology to ensure a fast and yet safe connection and can be used for frequencies of up to 4 GHz. We stock the most common **SMA** and **SMB** types and will gladly offer them to you prefabricated as well. **SMC** connectors have vibration-resistant bolted connections and can be used for frequencies of up to 10 GHz. **SMS** connectors are push-in connectors which require very little push and pull forces. They can be used for frequencies of up to 4 GHz. **SMS** and **SMC** connectors are available on request.

ORDER NO.	SMA Connectors for RG316/50 Ω
1 <b>SMAF316-AU</b>	SMA Crimp cable socket, pure gold-plated, PTFE-insulated
2 <b>SMAFR316-AU</b>	SMA Crimp cable socket, pure gold-plated, PTFE-insulated, Reverse polarity
3 <b>SMAM316-AU</b>	SMA SMA Crimp cable plug, pure gold-plated, PTFE-insulated
4 <b>SMAMR316-AU</b>	SMA SMA Crimp cable plug, pure gold-plated, PTFE-insulated, Reverse polarity
<b>SMBM174</b>	SMB Crimp cable plug for RG174/U (not shown)

ORDER NO.	TNC Connectors for RG316/50 Ω
<b>TNCFR316</b>	TNC Reverse crimp cable socket, PTFE-insulated (not shown)
5 <b>TNCMR316</b>	TNC Reverse crimp cable plug, PTFE-insulated

ORDER NO.	MCXM Connectors for RG316/50 Ω
6 <b>MCXMA316-AU</b>	MCXM Crimp cable plug, pure gold-plated, PTFE-insulated
7 <b>MMCXM316-AU</b>	MMCXM Crimp cable plug, pure gold-plated, PTFE-insulated
8 <b>MMCXMA316-AU</b>	MMCXM Crimp cable plug, pure gold-plated, PTFE-insulated

ORDER NO.	N Connectors for RG316/50 Ω
9 <b>NF316</b>	NCrimp cable socket, PTFE-insulated
10 <b>NM316</b>	NCrimp cable plug, PTFE-insulated





## DAMAR &amp; HAGEN



The connectors from this German manufacturer are like the "Rolls Royce" among the coaxial connectors.

**DAMAR & HAGEN** has worldwide an extreme good reputation for their triaxial connectors, which are virtually indestructible and easy to mount.

The **DAMAR & HAGEN** catalogue is more suitable for technically adept people.



Therefore we present the products in a simplified version with photo illustrations. We are also an official distribution partner of **DAMAR & HAGEN** and proud that there is hardly a broadcasting or TV station that we don't supply with **SOMMER CABLEs** and **DAMAR & HAGEN** systems.

Damar & Hagen ▶ Video ▶ **BNC**

**DAMAR & HAGEN** was founded back in 1922 and their video and triax connectors are still regarded as the ultimate in video technology by all TV and broadcasting stations, also they are the most important broadcasting suppliers throughout Europe.

All audio & video connectors are well-engineered in every detail, they have stood the test of time. Designed for extremely long life usage, a huge number of mating cycles and a perfect transmission of even the most delicate signals.

As to the materials, hard gold-plated brass was chosen for the contact pins, hard gold-plated beryllium bronze for the socket contacts and a corrosion-proof alloy coating for the outer conductor.

The **DAMAR & HAGEN** BNC/DS connector series are suitable for digital video

**BNC 50 Ω**

The HF plug-in connection with 50 Ω technology is used for flexible coaxial lines of 2 - 11 mm outer diameter in telecommunications and metrological systems and devices in the frequency range of up to 4 GHz. These connectors with a bayonet lock are small, light-weight and humidity-proof.

transmissions (SDI) and BNC/HD for HDTV applications; they have been tested several times by independent institutes and scored "reference marks". These connectors are compatible with all current BNC connectors.

**SOMMER CABLE** is an official distribution partner of **DAMAR & HAGEN** and therefore we can deliver almost all common connectors ex warehouse in Straubenhardt.

**ELECTRICAL PROPERTIES**

Wave impedance:	50 Ω
Frequency range:	0 - 4 GHz
Reflection factor:	< 0.11 (plug-socket mated)
Contact connection/crimp:	Inner conductor < 2 MΩ Outer conductor < 0.25 MΩ
Insulation impedance:	> 5 GΩ at 1000 V
Operating temperature range:	-60 °C...+125 °C

BNC 50Ω cable plug	for cable (suitable tool)	ORDER NO.
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	RG8, RG213, RG214 (HT-CRIMPSET)	<b>1-2153-2200-1</b>
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	RG58 (HT-CRIMPSET)	<b>1-1010-2200-1</b>
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BNC 50Ω cable plug	for cable (suitable tool)	ORDER NO.
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	RG174 (HT-CRIMPSET)	<b>1-1006-2200-1</b>
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**BNC 75 Ω (HD) for HD-SDI/HDTV applications**

These BNC/HD Series stand for "High Definition" and are used for serial digital video transmission. The gold-plating on both inner and outer conductors is to enhance the HF properties (e.g. regarding the "skin effect"). Using a second spring washer, these connector series produce a greater and vibration-free axial surface pressure, which makes them especially recommendable for OB van applications.

**ELECTRICAL PROPERTIES**

Wave impedance:	75 Ω (High Definition)
Frequency range:	0 - 7.5 GHz or. 1.5 Gbit resp.
Reflection factor:	< 0.10 (plug-socket mated)
Contact connection/crimp:	Inner cond. < 2 MΩ; Outer cond. < 0.15 MΩ
Insulation impedance:	> 10 <sup>6</sup> MΩ at 1000 V
Operating temperature range:	-60 °C...+125 °C

HD-SDI

BNC 75Ω cable plug	for cable (suitable tool)	ORDER NO.
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	SC-Slimline (RCB), Transit, Transit Kombi HD, Transit MC 523 HD, BNC0.6/2.8 HD-SDI/HDTV, Observer 1 HD, Transit MC 8232 (HT-CRIMPSET)	<b>1-6051-2100-1</b>
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	SC-Focusline, SC-Altera Split, Transit MC 120, BNC0.6/3.7 HD-SDI/HDTV (HT-CRIMPSET)	<b>1-6053-2100-1</b>
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	SC-Vector Plus 1.2/5.0, 1.2/4.8DZ, Transit MC 3231 BNC1.2/5.0 HD-SDI/HDTV straight <b>NEW!</b>	<b>1-7090-2100-1</b>
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BNC 75Ω cable plug	for cable (suitable tool)	ORDER NO.
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	SC-Vector 0.8/3.7, Transit 5231 HD BNC0.8/3.7 HD-SDI/HDTV (HT-CRIMPSET)	<b>1-6052-2100-1</b>
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	SC-Vector Plus RCB 1.6/7.3 BNC1.6/7.3 HD-SDI/HDTV (on request)	<b>1-7048-2100-1</b>
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**BNC 75 Ω**

The BNC 75 Ω HF plug-in connection for flexible coaxial lines of 3 - 11 mm outer diameter offers numerous possible applications in the frequency range of up to 4 GHz.

**ELECTRICAL PROPERTIES**

Wave impedance: 75 Ω  
 Frequency range: 0 - 4 GHz  
 Reflection factor: < 0.11 (plug-socket mated)  
 Contact connection/crimp: Inner conductor < 2 MΩ  
 Outer conductor < 0.25 MΩ  
 Insulation impedance: > 10 MΩ at 1000 V  
 Operating temperature range: -60 °C...+125 °C

BNC 75Ω cable plug	for cable (suitable tool)	ORDER NO.
	RG6 (HT-CRIMPSET)	<b>1-1194-2100-1</b>
	RG11, RG216 (HT-CRIMPSET)	<b>1-2242-2100-1</b>
	RG59, SC-Classic Control (HT-CRIMPSET)	<b>1-1190-2100-1</b>
	RG179 (HT-CRIMPSET)	<b>1-1184-2100-1</b>

BNC 75Ω cable plug	for cable (suitable tool)	ORDER NO.
	BNC0.4/1.8 (HT-CRIMPSET)	<b>1-4326-2100-1</b>
	Transit MC 113, 123 HD, 343 BNC0.4/2.5 (HT-CRIMPSET)	<b>1-1186-2100-1</b>
	SC-Slimline (RCB), Transit, Transit Kombi HD, Transit MC 523 HD, 343, Observer 1 HD BNC0.6/2.8 (HT-CRIMPSET)	<b>1-5126-2100-1</b>
	Transit Mobile PUR BNC0.66/3.2 * (HT-CRIMPSET)	<b>1-1189-2100-1</b>
	SC-Focusline PUR BNC0.75/3.4 * (HT-CRIMPSET)	<b>1-2457-2100-1</b>
	SC-Visionline BNC1.0/6.6 (HT-CRIMPSET)	<b>1-1195-2100-1</b>


\*) only for foamed dielectric!

**BNC 75 Ω patch panel sockets for 3G-SDI applications**

The HF BNC patch panel sockets equally combine maximum mechanical and electrical operating safety. The high-precision components with strictly observed tolerances and pure gold coatings guarantee super low damping values, a high return loss and an extremely low reflection. The HF-protected housing offers an ideal high shielding effectiveness.

Perfect for use in the digital 1.5 Gbit and 3 Gbit broadcasting service.

The sockets have a 1/2" outside thread (Ø 12.9 mm) with a twist-proof D hole to match our BNC panels and **HI-DET** single flange.

BNC 75 Ω patch socket for all 75 Ω RG cables	COLOUR	ORDER NO.
	Yellow	<b>1-8357-2153-1</b>
	Red	<b>1-8359-2153-1</b>
	Violet	<b>1-8360-2153-1</b>
	Blue	<b>1-8361-2153-1</b>
	Green	<b>1-8362-2153-1</b>
	White	<b>1-8365-2153-1</b>
	Black	<b>1-8366-2153-1</b>

**BNCpro cable plug – 75 Ω – 6G-SDI**

These connectors have the necessary electric properties for the transmission of 4K video formats.

For a service life of at least 2000 mating cycles a constant contact pressure can be guaranteed. Both the inner and outer conductors are gold-plated, the signal path is non-magnetic. The BNCpro connectors are compatible with all common BNC connectors.



**ELECTRICAL PROPERTIES**

Wave impedance: 75 Ω  
 Frequency range: 0 - 6 GHz  
 Reflection coefficient: < 0.04  
 Contact terminal/crimp: Inner cond. < 3 MΩ; Outer cond. < 1 MΩ  
 Insulation resistance: > 5 GΩ  
 Operating temperature range: -65 °C...+165 °C

BNCpro 75 Ω cable plug for cables (suitable tool)	ORDER NO.
SC-Slimline 0.6/2.8 (HT-CRIMPSET)	<b>1-8478-13100-1</b>
SC-Vector 0.8/3.7 (HT-CRIMPSET)	<b>1-8481-13100-1</b>
SC-RG Classic Broadcast 1.0/4.8 (HT-CRIMPSET)	<b>1-8482-13100-1</b>
SC-Vector Plus 1.2L/4.8DZ, SC-Vector Plus 1.2L/5.0 (HT-CRIMPSET + HT-1250)	<b>1-8483-13100-1</b>
SC-Vector Plus 1.6L/7.3, SC-Vector Plus 1.6/7.0 (HT-CRIMPSET)	<b>1-8485-13100-1</b>

Suitable bending protection sleeves in various colours can be found on our homepage [www.sommercable.com](http://www.sommercable.com)

CONNECTORS

Multipin Connectors ▶ Audio ▶ **TOURLOCK + CA-COM 8-POLE + SOCA**

*Now it's time to let things go round...*

because these round-shaped multipole connectors are primarily used in the professional stage & event technology for the assembly with multipairs and stagebox systems with a separate ground wiring scheme. They can be found in all places where the quality of the traditional rectangular connectors won't do any more, for instance:

- In outdoor zones/professional event management
- In soiled ambience, in cold or damp weather

**BENEFITS:**

- Available in 8- to 150-pole model versions
- Water-proof and dust-tight according to IP67 protection class
- Reliable locking with retainer nut, solid housing
- Self-centering pins for very good contact mating
- Low contact impedances ensure an outstanding audio quality
- In compliance with MIL, VG, UL and railway (MIL C 5015; VG 95234)

The 8-pole version is compatible with the 8-pole CA-COM connectors. We supply the male version also without coupling sleeve to also facilitate looms for easy extension.

The 25-pole connectors are compatible with all 24-pole LK - but here the lower central pin must be left contact-free.

In the "Hardware & Accessories/Stagebox Empty Housings" section you will find our enclosures THE BOXX, SYSBOXX and BLACKBOXX, where various round panel connectors may be fitted.

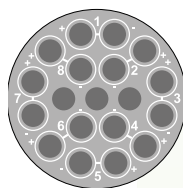
The contact pins and sockets must be ordered separately. Pin assignment plans and dimensions can be found in the "Support" chapter.

Other model versions and pole numbers on request.

Please order strain relief/  
cable screw fixation and  
pins separately

**8-pole CA-COM version****ORDER NO. DESCRIPTION**

1	HI-LK008MP	Panel plug (male)
2	HI-LK008FP	Panel socket (female)
3	HI-LK008MV	Cable plug (male), w/o coupling sleeve, M32 cable outlet
4	HI-LK008FV	Cable socket (female), w. coupling sleeve, M32 cable outlet
5	HI-LK008MVR	Cable plug (male), w. coupling sleeve, M32 cable outlet
6	HI-LK008FVR	Cable socket (female), w/o coupling sleeve, M32 cable outlet
	HI-LKPIN-M12GL	Contact plug gold-plated for 8-pole, 2.5 - 4 mm <sup>2</sup>
	HI-LKPIN-F12GL	Contact socket gold-plated for 8-pole, 2.5 - 4 mm <sup>2</sup>
	HI-LKPIN-M12S	Contact plug silver-plated for 8-pole, 1.5 - 2.5 mm <sup>2</sup>
	HI-LKPIN-F12S	Contact socket silver-plated for 8-pole, 1.5 - 2.5 mm <sup>2</sup>



SP versions with special print  
for speakers

**19-pole HI-SOCA version, compatible with Socapex 419****ORDER NO. DESCRIPTION**

7	HI-SOCA19-MP	Panel plug (male)
8	HI-SOCA19-FP	Panel socket (female)
9	HI-SOCA19-MV	Cable plug (male), M40 cable outlet
	HI-SOCA19-MV-SP	Cable plug (male), M40 cable outlet, <b>NEW!</b> with special print for SPEAKERS
10	HI-SOCA19-FV	Cable socket (female), M40 cable outlet
	HI-SOCA19-FV-SP	Cable socket (female), M40 cable outlet, <b>NEW!</b> with special print for SPEAKERS
11	HI-SOCAPIN-FS	Contact socket silver-plated (19-pole HI-SOCA), 1.5 - 2.5 mm <sup>2</sup>
12	HI-SOCAPIN-FGL	Contact socket gold-plated (19-pole HI-SOCA), 2.5 - 4 mm <sup>2</sup>
13	HI-SOCAPIN-MS	Contact plug silver-plated (19-pole HI-SOCA), 1.5 - 2.5 mm <sup>2</sup>
14	HI-SOCAPIN-MGL	Contact plug gold-plated (19-pole HI-SOCA), 2.5 - 4 mm <sup>2</sup>
15	HI-SOCAPIN-FIL	Dummy plugs for unused holes (19-pole HI-SOCA19)



**25-pole (8-channel) version, arrangement 24 A - 25****ORDER NO. DESCRIPTION**

16	HI-LK025MP	Panel plug (male)	SYS BOXX
17	HI-LK025FP	Panel socket (female)	SYS BOXX
18	HI-LK025MV	Cable plug (male), PG 16 cable outlet	
19	HI-LK025FV	Cable socket (female), PG 16 cable outlet	
20	HI-LKCAP-M25	Cover cap for connector male	
21	HI-LKCAP-F25	Cover cap for connector female	







**37-pole (12-channel) version, arrangement 28 – 21**

ORDER NO.	DESCRIPTION	
1	HI-LK037MP Panel plug (male)	
2	HI-LK037FP Panel socket (female)	
3	HI-LK037MV Cable plug (male), PG 21 cable outlet	
4	HI-LK037FV Cable socket (female), PG 21 cable outlet	
5	HI-LKCAP-M37 Cover cap for connector male	
6	HI-LKCAP-F37 Cover cap for connector female	



**85-pole (24-channel) version, arrangement 40 – 56**

ORDER NO.	DESCRIPTION	
7	HI-LK085MP Panel plug (male)	
8	HI-LK085FP Panel socket (female)	
9	HI-LK085MV Cable plug (male), PG 29 cable outlet	
10	HI-LK085FV Cable socket (female), PG 29 cable outlet	
11	HI-LKCAP-M85 Cover cap for connector male	
12	HI-LKCAP-F85 Cover cap for connector female	





**Pins for 25- / 37- / 85-pole version**

ORDER NO.	DESCRIPTION	
13	HI-LKPIN-M16G Contact plug gold-plated (max. 85-pole), size 16, 1 - 1.5 mm <sup>2</sup>	
14	HI-LKPIN-F16G Contact sockets gold-plated (max. 85-pole), size 16, 1 - 1.5 mm <sup>2</sup>	
15	HI-LKPIN-M16GS Crimp plug gold-plated (max. 85-pole), size 16, 0.15 - 0.6 mm <sup>2</sup>	
16	HI-LKPIN-F16GS Crimp socket gold-plated (max. 85-pole), size 16, 0.15 - 0.6 mm <sup>2</sup>	
17	HI-LKPIN-M16S Contact plug silver-plated (max. 85-pole), size 16	
18	HI-LKPIN-F16S Contact sockets silver-plated (max. 85-pole), size 16	
19	HI-LKPING-16 Mounting support pin for contact sockets, size 16	



**150-pole (48-channel) version, arrangement 40A – 150**

ORDER NO.	DESCRIPTION	
19	HI-LK150MP Panel plug (male)	
20	HI-LK150FP Panel socket (female)	
21	HI-LK150MV Cable plug (male), PG 29 cable outlet	
22	HI-LK150FV Cable socket (female), PG 29 cable outlet	
23	HI-LKBODY-PG36 PG36 enclosure size 40	
24	HI-LKCAP-M85 Cover cap for connector male	
25	HI-LKCAP-F85 Cover cap for connector female	
26	HI-LKPIN-M18G Contact plug gold-plated (100 - 150-pole), size 18	
27	HI-LKPIN-F18G Contact sockets gold-plated (100 - 150-pole), size 18	



ORDER NO.	TOOLS
M225201/1-01	Crimp pliers for 8 - 150-pole LK contacts
M225201/1A01	Crimp pliers for 8 - 19-pole LK contacts HI-LKPIN-M12GL and HI-LKPIN-F12GL
28	M225201/1-02 Centering device for 8 - 85-pole LK contacts (must be ordered as crimp pliers accessory!)
M225201/1-03	Centering device for 150-pole LK contacts (must be ordered as crimp pliers accessory!)
29	T98143 Mounting pliers for all LK contacts
30	43240 Extraction tool for 8 - 85-pole LK contacts
31	KIT-99-011 Extraction tool for 150-pole LK contacts



CONNECTORS

Multipin Connectors ▶ Audio ▶ **ACCESSORIES THREAD****Strain relief, nickel-plated brass with gasket****ORDER NO. DESCRIPTION**

<b>KVM16</b>	PG 16 hole diameter 12 - 16 mm
<b>KVM21</b>	PG 21 hole diameter 15 - 20 mm
<b>KVM29</b>	PG 29 hole diameter 21 - 28 mm

**Strain relief, nickel-plated brass with protective rubber sleeve****ORDER NO. DESCRIPTION**

<b>PGZ16-15</b>	PG 16 hole diameter 13 - 15 mm
<b>PGZ21-17</b>	PG 21 hole diameter 15 - 17 mm
<b>PGZ21-19</b>	PG 21 hole diameter 17 - 19 mm
<b>PGZ29-25</b>	PG 29 hole diameter 20 - 25 mm

**Strain relief with trumpet outlet and gasket****ORDER NO. DESCRIPTION**

<b>CRS16</b>	PG 16 hole diameter 12 - 15 mm
<b>CRS21</b>	PG 21 hole diameter 17 - 20 mm
<b>CRS29</b>	PG 29 hole diameter 26 - 29 mm

**Plastic strain relief, water-proof****ORDER NO. DESCRIPTION**

<b>PGV16-SW</b>	PG 16 hole diameter 10 - 14 mm, black
<b>PGV21-SW</b>	PG 21 hole diameter 13 - 18 mm, black
<b>PGV29-SW</b>	PG 29 hole diameter 18 - 25 mm, black
<b>PGV36-SW</b>	PG 36 hole diameter 26 - 32 mm, black
<b>PGVM16-SW</b>	M16x1.5 hole diameter 5 - 10 mm, black
<b>PGVM25-SW</b>	M25x1.5 hole diameter 9 - 17 mm, black
<b>PGVM32-SW</b>	M32x1.5 hole diameter 11 - 21 mm, black
<b>PGVM40-SW</b>	M40x1.5 hole diameter 19 - 28 mm, black

**Plastic strain relief with cable sleeve support, water-proof****ORDER NO. DESCRIPTION**

<b>PGV16K-SW</b>	PG 16 hole diameter 10 - 14 mm, black
<b>PGV21K-GR</b>	PG 21 hole diameter 13 - 18 mm, grey
<b>PGV21K-SW</b>	PG 21 hole diameter 13 - 18 mm, black
<b>PGVM16K-SW</b>	M16x1.5 hole diameter 3.5 - 8 mm, black
<b>PGVM25K-SW</b>	M25x1.5 hole diameter 9 - 17 mm, black
<b>PGVM32K-SW</b>	M32x1.5 hole diameter 11 - 21 mm, black

**Metal strain relief with braided steel bending protection****ORDER NO. DESCRIPTION**

<b>PGV21K-MESH</b>	PG 21 hole diameter 15.9 - 19.0 mm
<b>PGV29K-MESH</b>	PG 29 hole diameter 19.0 - 22.2 mm
<b>PGV36K-MESH</b>	PG 36 hole diameter 22.2 - 25.5 mm

**NEW!****Metal cable protection sleeve with trumpet inlet and PG outlet**

Overall length = 27 cm

**ORDER NO. DESCRIPTION**

<b>KMS13</b>	PG 13 hole diameter 7 - 10 mm
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**Splice adapter, with different female threads to take standard cable screw fixations**

**ORDER NO. DESCRIPTION Inside thread**

**GLM-M16-M16** Glandmaster metal M16x1.5 ⇔ M16x1.5, L = 60 mm

**GLM-M25-M16** Glandmaster metal M25x1.5 ⇔ M16x1.5, L = 60 mm

**GLM-M25-M25** Glandmaster metal M25x1.5 ⇔ M25x1.5, L = 80 mm

**GLM-M25-PG16** Glandmaster metal M25x1.5 ⇔ PG16x1.5, L = 80 mm

**GLP-M40-M32** Glandmaster polymer M40x1.5 ⇔ M32x1.5, L = 100 mm



**Reducing/extending thread, nickel-plated brass\***

**ORDER NO. DESCRIPTION**

**RZG16-13** PG 16 to PG 13

**RZG21-16** PG 21 to PG 16

**RZG21-29** PG 21 to PG 29

**RZG29-16** PG 29 to PG 16

**RZG29-21** PG 29 to PG 21

**RZG29-M32** PG 29 to M 32

**RZGM40-M32** M 40 to M 32

**RZGM40-M50** M 40 to M 50



**Locknut, nickel-plated brass\***

**ORDER NO. DESCRIPTION**

**PGM16** PG 16 inside thread

**PGM21** PG 21 inside thread

**PGM29** PG 29 inside thread



**PG cover panels, black plastic\*** (grey on request)

**ORDER NO. DESCRIPTION**

**PGA16** PG 16 hole covering

**PGA21** PG 21 hole covering

**PGA29** PG 29 hole covering



**CABLE SUPPORT STOCKING**

Wire mesh cable support stockings for hanging and cable strain relief of multipairs. This is a useful accessory for protecting the multipair splice.

**ORDER NO. DIMENSIONS**

**BD7** Ø 8 - 12 mm

**BD9** Ø 10 - 18 mm

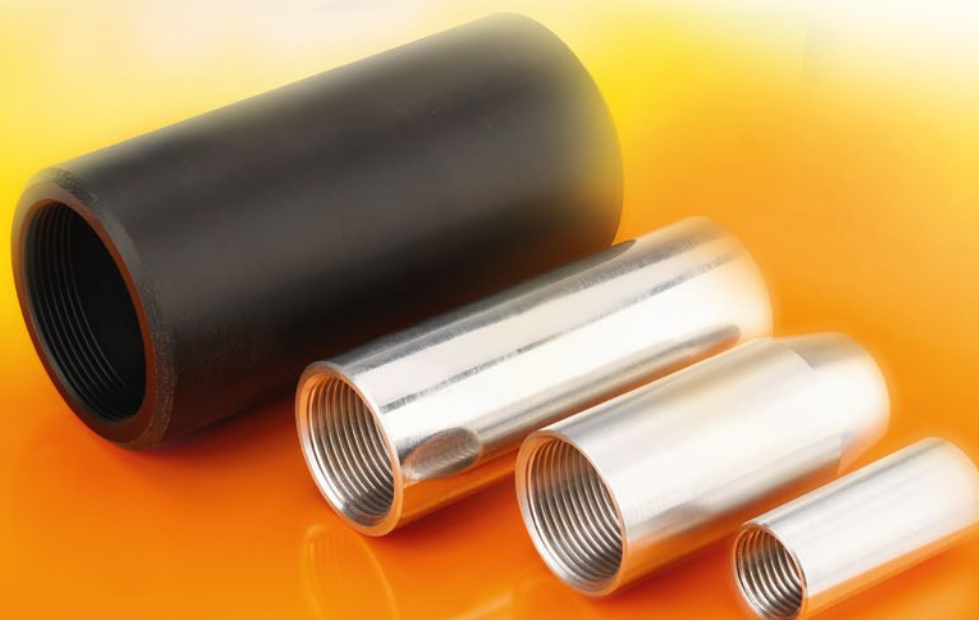
**BD11** Ø 14 - 18 mm

**BD13** Ø 18 - 24 mm

**BD15** Ø 24 - 30 mm



\* Metric version on request.





Multipin Connectors ▶ Audio/Load ▶ **ILME MULTIPIN CONNECTORS***Quick and chic...*

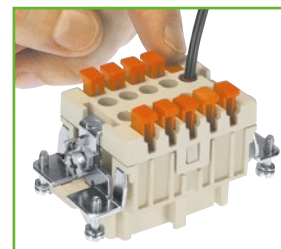
...are the new contact inserts of the SQUICH series. They can be assembled easily and fast, no tools required, suitable for conductor gauges between 0.14 mm<sup>2</sup> and 2.5 mm<sup>2</sup>. Each contact chamber has been assigned a locking element with a cage clamp terminal. When closed, it makes a secure and reliable connection for the conductor. The lock can simply be opened again with a screwdriver, if necessary. Operating temperature range: -40 °C to +125 °C

The ILME multipin rectangular connectors are standardised and compatible with all common rectangular connectors on the market (Harting etc.). On the following pages you will find a small, reasonable selection of the most widespread multipin connectors. **We have stocked the entire ILME product range and also articles not listed here – e.g. metric versions. Just ask.**

The products labelled with the SYSBOXX logo are compatible with our modular system box. For more information see the sections on "Multicore Systems" and "Hardware & Accessories".



1. Insert conductor

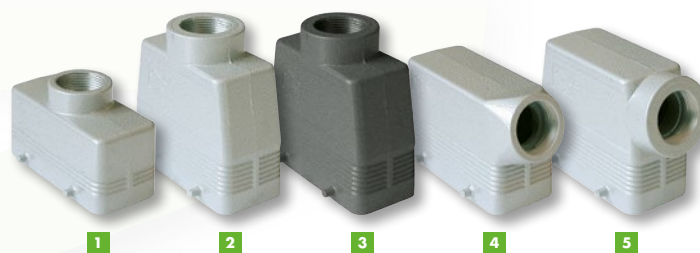


2. Push down lock

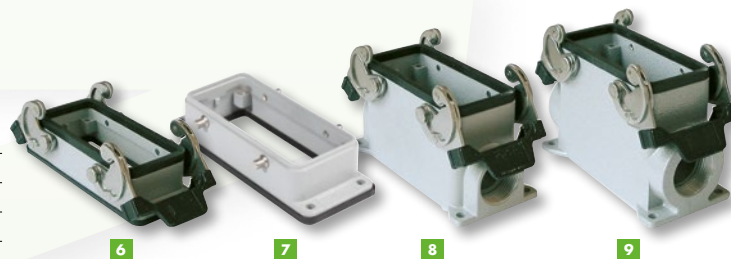
## 64- & 108-pole Audio Connector System/ 24-pole Load Connector System:

**SLEEVE HOUSINGS WITH BOLTS****ORDER NO. DESCRIPTION**

1	<b>CHV24</b>	Sleeve housing 4 bolts flat/straight PG21
2	<b>CAV24.21</b>	Sleeve housing 4 bolts high/straight PG21
	<b>CAV24.29</b>	Sleeve housing 4 bolts high/straight PG29
3	<b>CAV24.29N</b>	Sleeve housing 4 bolts high/straight PG29, black
4	<b>CHO24</b>	Sleeve housing 4 bolts flat/angled PG21
5	<b>CAO24.21</b>	Sleeve housing 4 bolts high/angled PG21
	<b>CAO24.29</b>	Sleeve housing 4 bolts high/angled PG29

**ADD-ON & SURFACE-MOUNTED HOUSINGS****ORDER NO. DESCRIPTION**

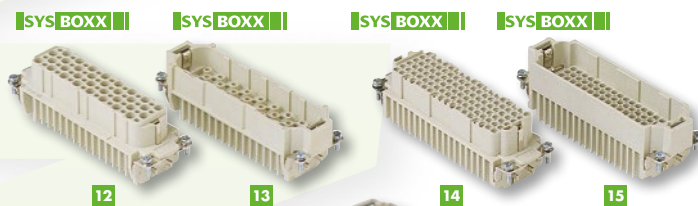
6	<b>CHI24</b>	Add-on housing 2 clamps open at rear
7	<b>CHI24CH</b>	Add-on housing 4 bolts, w/o gasket
8	<b>CHP24</b>	Surface-mounted housing 2 clamps flat/lateral PG21
9	<b>CAP24.21</b>	Surface-mounted housing 2 clamps high/lateral PG21
9	<b>CAP24.29</b>	Surface-mounted housing 2 clamps high/lateral PG29

**SLEEVE HOUSINGS WITH CLAMPS****ORDER NO. DESCRIPTION**

10	<b>CHV24G</b>	Sleeve housing 2 clamps flat/straight PG 21
11	<b>CAV24G</b>	Sleeve housing 2 clamps high/straight PG 21
11	<b>CAV24G29</b>	Sleeve housing 2 clamps high/straight PG 29

**CONTACT INSERTS AUDIO** (Crimp contacts see following pages)**ORDER NO. DESCRIPTION**

12	<b>CDF64</b>	Socket insert 64-pole + ⊕ w/o crimp contacts
13	<b>CDM64</b>	Pin insert 64-pole + ⊕ w/o crimp contacts
14	<b>CDDF108</b>	Socket insert 108-pole + ⊕ w/o crimp contacts
15	<b>CDDM108</b>	Pin insert 108-pole + ⊕ w/o crimp contacts

**CONTACT INSERTS LOAD** (Crimp contacts see following pages)**ORDER NO. DESCRIPTION**

16	<b>CSHF24</b>	Socket insert SQUICH 24-pole
17	<b>CSHM24</b>	Pin insert SQUICH 24-pole

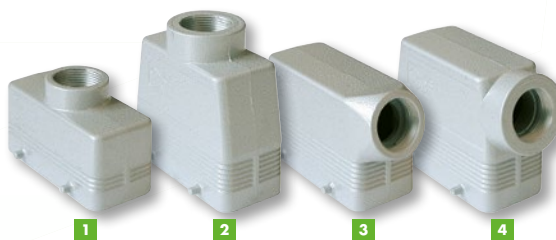


Multipin Connectors ▶ Audio/Load ▶ **ILME MULTIPIN CONNECTORS**

**40- & 72-pole Audio Connector System / 16-pole Load Connector System**

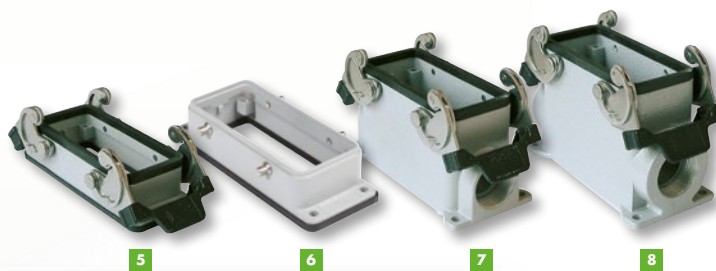
**SLEEVE HOUSINGS WITH BOLTS**

ORDER NO.	DESCRIPTION
1 <b>CHV16</b>	Sleeve housing 4 bolts flat/straight PG21
2 <b>CAV16.21</b>	Sleeve housing 4 bolts high/straight PG21
<b>CAV16.29</b>	Sleeve housing 4 bolts high/straight PG29
3 <b>CHO16</b>	Sleeve housing 4 bolts flat/angled PG21
4 <b>CAO16.21</b>	Sleeve housing 4 bolts high/angled PG21
<b>CAO16.29</b>	Sleeve housing 4 bolts high/angled PG29



**ADD-ON & SURFACE-MOUNTED HOUSINGS**

ORDER NO.	DESCRIPTION
5 <b>CHI16</b>	Add-on housing 2 clamps open at rear
6 <b>CHI16CH</b>	Add-on housing 4 bolts, w/o gasket
7 <b>CHP16</b>	Surface-mounted housing 2 clamps flat/lateral PG21
8 <b>CAP16.21</b>	Surface-mounted housing 2 clamps high/lateral PG21
<b>CAP16.29</b>	Surface-mounted housing 2 clamps high/lateral PG29



**SLEEVE HOUSINGS WITH CLAMPS**

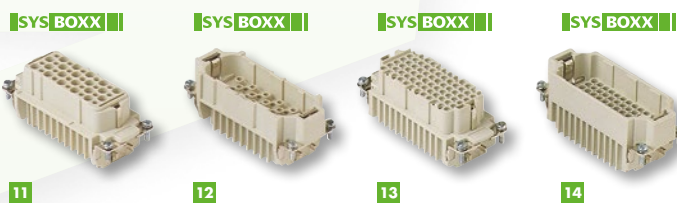
ORDER NO.	DESCRIPTION
9 <b>CHV16G</b>	Sleeve housing 2 clamps flat/straight PG 21
10 <b>CAV16G</b>	Sleeve housing 2 clamps high/straight PG 21
<b>CAV16G29</b>	Sleeve housing 2 clamps high/straight PG 29



**CONTACT INSERTS AUDIO**

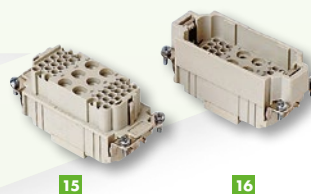
(Crimp contacts see following pages)

ORDER NO.	DESCRIPTION
11 <b>CDF40</b>	Socket insert 40-pole + ⊕ w/o crimp contacts
12 <b>CDM40</b>	Pin insert 40-pole + ⊕ w/o crimp contacts
13 <b>CDDF72</b>	Socket insert 72-pole + ⊕ w/o crimp contacts
14 <b>CDDM72</b>	Pin insert 72-pole + ⊕ w/o crimp contacts



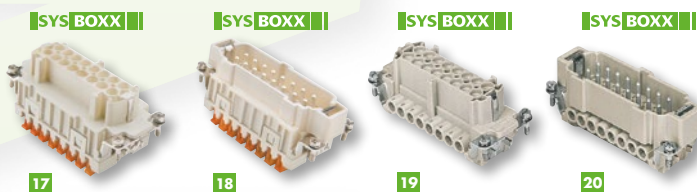
**CONTACT INSERTS LOAD + AUDIO** (Crimp contacts CX Series for load, CD Series for audio see following pages)

ORDER NO.	DESCRIPTION
15 <b>CXF6/36</b>	Socket insert 6 x 40 A + 36 x 10 A, w/o crimp contacts
16 <b>CXM6/36</b>	Pin insert 6 x 40 A + 36 x 10 A, w/o crimp contacts



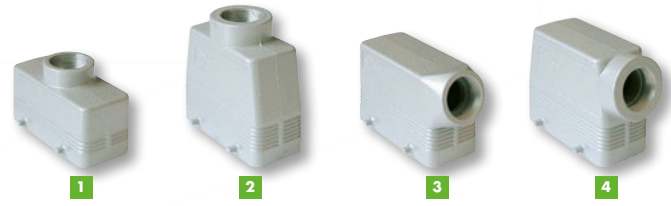
**CONTACT INSERTS LOAD**

ORDER NO.	DESCRIPTION
17 <b>CSHF16</b>	Socket insert SQUICH 16-pole
18 <b>CSHM16</b>	Pin insert SQUICH 16-pole
19 <b>CNEF16T</b>	Socket insert 16-pole + ⊕ incl. screwed contacts w. wire guard
20 <b>CNEM16T</b>	Pin insert 16-pole + ⊕ incl. screwed contacts w. wire guard



Multipin Connectors ▶ Audio/Load ▶ **ILME MULTIPIN CONNECTORS****42-pole Audio Connector System / 10-pole Load Connector System****SLEEVE HOUSINGS WITH BOLTS**

ORDER NO.	DESCRIPTION
1 CHV10	Sleeve housing 4 bolts flat/straight PG16
2 CAV10.21	Sleeve housing 4 bolts high/straight PG21
3 CHO10	Sleeve housing 4 bolts flat/angled PG16
4 CAO10.21	Sleeve housing 4 bolts high/angled PG21

**ADD-ON & SURFACE-MOUNTED HOUSINGS WITH CLAMPS**

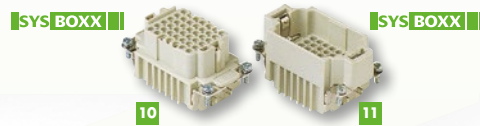
ORDER NO.	DESCRIPTION
5 CHI10	Add-on housing 2 clamps open at rear
6 CHP10	Surface-mounted housing 2 clamps flat/lateral PG16
7 CAP10.21	Surface-mounted housing 2 clamps high/lateral PG21

**SLEEVE HOUSINGS WITH CLAMPS**

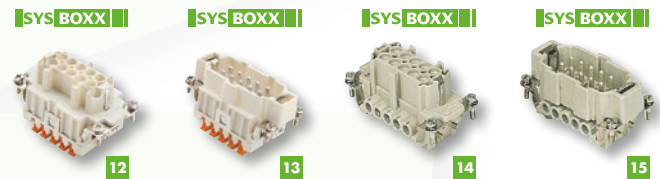
ORDER NO.	DESCRIPTION
8 CHV10G	Sleeve housing 2 clamps flat/straight PG16
9 CAV10G	Sleeve housing 2 clamps high/straight PG21

**CONTACT INSERTS AUDIO** (Crimp contacts see accessories on following pages)

ORDER NO.	DESCRIPTION
10 CDDF42	Socket insert 42-pole + ⊕ w/o crimp contacts
11 CDDM42	Pin insert 42-pole + ⊕ w/o crimp contacts

**CONTACT INSERTS LOAD**

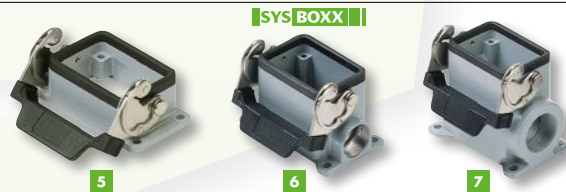
ORDER NO.	DESCRIPTION
12 CSHF10	Socket insert SQUICH 10-pole
13 CSHM10	Pin insert SQUICH 10-pole
14 CNEF10T	Socket insert 10-pole + ⊕ incl. screwed contacts w. wire guard
15 CNEM10T	Pin insert 10-pole + ⊕ incl. screwed contacts w. wire guard

**24-pole Audio Connector System****SLEEVE HOUSINGS WITH BOLTS**

ORDER NO.	DESCRIPTION
1 CHV06L16	Sleeve housing 2 bolts flat/straight PG16
2 CAV06L21	Sleeve housing 2 bolts high/straight PG21
3 CHO06L16	Sleeve housing 2 bolts flat/angled PG16
4 CAO06L21	Sleeve housing 2 bolts high/angled PG21

**ADD-ON & SURFACE-MOUNTED HOUSINGS WITH CLAMP**

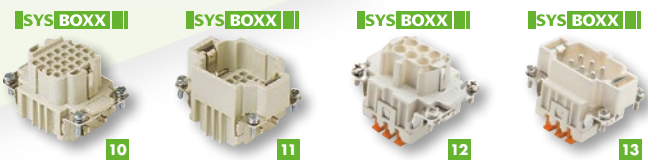
ORDER NO.	DESCRIPTION
5 CHI06L	Add-on housing 1 clamp open at rear
6 CHP06L	Surface-mounted housing 1 clamp flat/lateral PG16
7 CAP06L	Surface-mounted housing 1 clamp high/lateral PG21

**SLEEVE HOUSINGS WITH CLAMP**

ORDER NO.	DESCRIPTION
8 CHV06LG	Sleeve housing 1 clamp flat/straight PG16
9 CAV06LG21	Sleeve housing 1 clamp high/straight PG21

**CONTACT INSERTS** (Crimp contacts see accessories on following pages)

ORDER NO.	DESCRIPTION
10 CDDF24	Socket insert 24-pole + ⊕ w/o crimp contacts
11 CDDM24	Pin insert 24-pole + ⊕ w/o crimp contacts
12 CSHF06	Socket insert SQUICH 6-pole
13 CSHM06	Pin insert SQUICH 6-pole





Multipin Connectors ▶ Audio/Load ▶ **ILME MULTIPIN CONTACTS + ACCESSORIES**

**CRIMP CONTACTS SUITABLE FOR ALL CRIMP CONTACT INSERTS**

ORDER NO.	DESCRIPTION
<b>C DFA0,3</b>	Contact socket silver-plated for conductor 0.37 mm <sup>2</sup>
<b>C DFA0,5</b>	Contact socket silver-plated for conductor 0.50 mm <sup>2</sup>
<b>C DFA1,0</b>	Contact socket silver-plated for conductor 1.00 mm <sup>2</sup>
<b>C DFA2,5</b>	Contact socket silver-plated for conductor 2.50 mm <sup>2</sup>
<b>C DMA0,3</b>	Contact plug silver-plated for conductor 0.37 mm <sup>2</sup>
<b>C DMA0,5</b>	Contact plug silver-plated for conductor 0.50 mm <sup>2</sup>
<b>C DMA1,0</b>	Contact plug silver-plated for conductor 1.00 mm <sup>2</sup>
<b>C DMA2,5</b>	Contact plug silver-plated for conductor 2.50 mm <sup>2</sup>
<b>C DFD0,3</b>	Contact socket gold-plated for conductor 0.37 mm <sup>2</sup>
<b>C DMD0,3</b>	Contact plug gold-plated for conductor 0.37 mm <sup>2</sup>



<b>C XFA1,5</b>	Contact socket silver-plated, 40 A, for conductor 1.5 mm <sup>2</sup>
<b>C XFA2,5</b>	Contact socket silver-plated, 40 A, for conductor 2.5 mm <sup>2</sup>
<b>C XMA1,5</b>	Contact plug silver-plated, 40 A, for conductor 1.5 mm <sup>2</sup>
<b>C XMA2,5</b>	Contact plug silver-plated, 40 A, for conductor 2.5 mm <sup>2</sup>

**PROTECTION CAP + TOOLS**

ORDER NO.	DESCRIPTION
<b>1 CHC06LG</b>	Protection cap 1 clamp with gasket for CHV06/CAV06/CHO06/CAO06
<b>2 CHC06L</b>	Protection cap 2 bolts with fastening rope for CHI06/CHP06/CAP06/CAV06
<b>3 CHC10G</b>	Protection cap 2 clamps with gasket for sleeve housing CHV10/CAV10/CHO10/CAO10
<b>CHC16G</b>	Protection cap 2 clamps with gasket for sleeve housing CHV16/CAV16/CHO16/CAO16
<b>CHC24G</b>	Protection cap 2 clamps with gasket for sleeve housing CHV24/CAV24/CHO24/CAO24
<b>4 CHC10</b>	Protection cap 4 bolts with fastening rope for CHI10/CHP10/CAP10/CHV10/CAV10
<b>CHC10N</b>	Protection cap 4 bolts with fastening rope for CHI10/CHP10/CAP10/CHV10/CAV10, black
<b>CHC16</b>	Protection cap 4 bolts with fastening rope for CHI16/CHP16/CAP16/CHV16/CAV16
<b>CHC24</b>	Protection cap 4 bolts with fastening rope for CHI24/CHP24/CAP24/CHV24/CAV24
<b>5 CCES2</b>	Extraction tool for contacts CDF/CDM
<b>CCES2-SP</b>	Spare sleeve for CCES2 (not shown)
<b>6 WCZ1200</b>	Professional crimp pliers, chrome-plated, with case - w/o inserts
<b>7 WECLOC1271</b>	Crimp insert incl. locator f. WCZ1200 for pressed contacts 0.14 - 4.0 mm <sup>2</sup> , AWG 25 - 11, < square crimping >
<b>8 WCZ1671</b>	Crimp hand pliers incl. crimp insert 0.14 - 4.0 mm <sup>2</sup> , AWG 25 - 11, < square crimping >

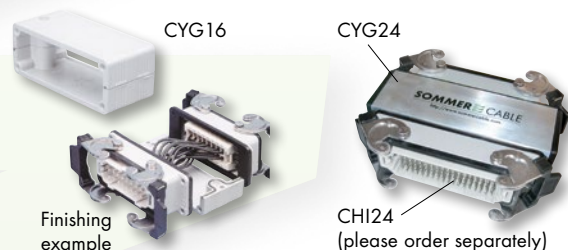


CONNECTORS

Connectors ▶ **MULTIPIN ADAPTERS and COVER PANELS**

**Multipin Adapter Panels and Multipin Cover Panels**

ORDER NO.	DESCRIPTION
<b>CYG16</b>	Extension adapter for 2 x CHI16 for flying connections, e.g. of load multicore cables
<b>CYG24</b>	Extension adapter for 2 x CHI24 for flying connections, e.g. of load multicore cables



*Save your time and nerves...*

...with the new modular **ILME MIXO modules** for signal or power transmission.

By means of lateral guide profiles and fastening clips the single modules are easily configured as one block and inserted as a whole into the module frame. The modular design allows a large variety of different modules to be created.

For more information please visit

[www.sommercable.com/ilme](http://www.sommercable.com/ilme)

For placing an order with **SOMMER CABLE** you can simply use the ILME order numbers.

- Large variety of modules for signal or power transmission, from 10 A up to 200 A
- Custom modules for Ethernet lines (4- and 8-pole), compressed air, optical fibres, USB interfaces SUB-D or RJ45
- Easy and secure assembly and thus considerable time saving



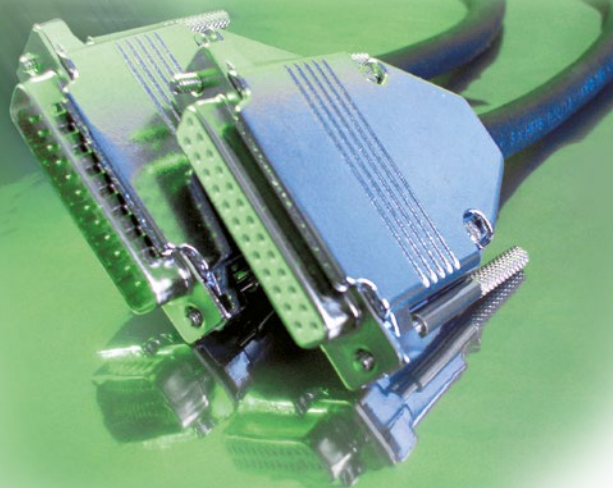
Multipin Connectors ▶ Audio ▶ **SUB-D***SUB-D or D-SUB ???*

Well, the decision is up to you. Anyway, what we mean is the following compact multipole plug connectors for the serial data connection of all kinds of peripheral devices such as printers, monitors, S/P-DIF interfaces etc.

Both the solder panel plug and socket have turned, real gold-plated precision contacts of the highest quality. This ensures a reliable transmission quality with low contact impedances and outstanding longevity.

The screwable housings are each fitted with long knurled screws and available in plastic version, standard metal version or as professional full metal shell, this is absolutely solid, suitable for large cable diameters and has 1 straight + 2 lateral outlets (optimal HF shielding, protection class 3). Other model versions on request. The products marked with the SYSBOXX logo match our modular SYSBOXX (see Multicore Systems).

A practical accessory are the space-saving Sub-D gender changers in 9-pole and 15-pole HD format with D flange.



ORDER NO.	9-pole version
1 SUBD09CML	9-pole pin insert with solder contacts
2 SUBD09CFL	9-pole socket insert with solder contacts
3 SUBD0915GM	9-pole EMC full metal shell for max. 11.5 mm cable Ø
3 SUBD0915GMA	9-pole EMC full metal shell 35° angled for max. 12.5 mm cable Ø

ORDER NO.	15-pole version HD (VGA)
4 SUBD15HDCML	15-pole HD pin insert with solder contacts
5 SUBD15HDCFL	15-pole HD socket insert with solder contacts
6 SUBD0915GM	15-pole HD EMC full metal shell for max. 11.5 mm cable Ø
6 SUBD0915GMA	15-pole HD EMC full metal shell 35° angled for max. 12.5 mm cable Ø

ORDER NO.	15-pole version (5-channel)
7 SUBD15CML	15-pole pin insert with solder contacts
8 SUBD15CFL	15-pole socket insert with solder contacts
9 SUBD15HM	15-pole full metal shell for max. 13 mm cable Ø; 45°/90° cable outlet
10 SUBDHM9-12	Strain relief for SUB-D...HM, 9 - 12 mm cable Ø, screwable

ORDER NO.	25-pole version (8-channel)
11 SUBD25CML	25-pole pin insert with solder contacts
12 SUBD25CFL	25-pole socket insert with solder contacts
13 SUBD25GK	25-pole plastic housing for max. 10.5 mm cable Ø
14 SUBD25GM	25-pole full metal shell for max. 10 mm cable Ø
15 SUBD25GMA	25-pole full metal shell 35° angled for max. 12.5 mm cable Ø
16 SUBD25HM	25-pole full metal shell for max. 13 mm cable Ø; 45°/90° cable outlet, UNC thread
SUBDHM9-12	Strain relief for SUB-D...HM, 9 - 12 mm cable Ø, screwable
SUBD-M3-SCREW	M3 x 24 knurled screw for devices with metric fastening screws, e.g. Yamaha, Tascam (fits SUB-D 25 HM)

ORDER NO.	Mini gender changer
SUBD09-FF	9-pole gender changer, female - female
17 SUBD09-FM	9-pole patch adapter, female - male
SUBD09-MM	9-pole gender changer, male - male
SUBD15HD-FF	15-pole HD gender changer, female - female
18 SUBD15HD-FM	15-pole HD patch adapter, female - male
SUBD15HD-MM	15-pole HD gender changer, male - male
SUBD25-FF	25-pole gender changer, female - female
19 SUBD25-FM	25-pole patch adapter, female - male
SUBD25-MM	25-pole gender changer, male - male

ORDER NO.	Mini gender changer with D hole
20 SUBD09-FF-D-B	9-pole gender changer, female - female, D hole
SUBD09-FM-D-B	9-pole patch adapter, female - male, D hole
SUBD09-MM-D-B	9-pole gender changer, male - male, D hole
SUBD15HD-FF-D-B	15-pole HD gender changer, female - female, D hole
SUBD15HD-FM-D-B	15-pole HD patch adapter, female - male, D hole
SUBD15HD-MM-D-B	15-pole HD gender changer, male - male, D hole



Multipin Connectors ▶ Audio ▶ **SUB-D FCT***Connections are their business...*

and this is why FCT is one of the best-established companies on the German and European market when it comes to D-Sub and other connection types. There is also an FCT production plant in USA.

We have included their products in our catalogue because FCT connectors can be found in virtually every professional environment of the audio branch. They are used e.g. in the broadcasting sector, in the mixing console construction, in communications and data technology or some specified even with numerous companies.

**BENEFITS:**

- Fully compatible with all common D-Sub connectors
- Space-saving construction
- Tinned steel housing
- Low capacitance tolerances
- Facilitates EMV conform design
- UL certification
- High numbers of mating cycles (high quality grade)

**ORDER NO. 9-pole version**

<b>1</b>	<b>FCT09CML</b>	9-pole pin insert with solder contacts
<b>2</b>	<b>FCT09CFL</b>	9-pole socket insert with solder contacts
<b>3</b>	<b>FCT0915GM</b>	9-pole full metal shell for 3.0 - 9.5 mm cable Ø

**ORDER NO. 15-pole version HD (VGA)**

<b>4</b>	<b>FCT15HCML</b>	15-pole HD pin insert with solder contacts
	<b>FCT15HCML-GK1</b>	15-pole HD pin insert with solder contacts, grade 1
<b>5</b>	<b>FCT15HCFL</b>	15-pole HD socket insert with solder contacts
	<b>FCT15HCFL-GK1</b>	15-pole HD female insert with solder contacts, grade 1
<b>6</b>	<b>FCT0915GM</b>	9-pole full metal shell for 3.0 - 9.5 mm cable Ø

**ORDER NO. 15-pole version (5-channel)**

<b>7</b>	<b>FCT15CML</b>	15-pole pin insert with solder contacts
<b>8</b>	<b>FCT15CFL</b>	15-pole socket insert with solder contacts
<b>9</b>	<b>FCT15HM</b>	15-pole full metal shell for 3.0 - 8.5 mm cable Ø

**ORDER NO. 25-pole version (8-channel)**

<b>10</b>	<b>FCT25CML</b>	25-pole pin insert with solder contacts
	<b>FCT25CML-GK1</b>	25-pole pin insert with solder contacts, grade 1
<b>11</b>	<b>FCT25CFL</b>	25-pole socket insert with solder contacts
	<b>FCT25CFL-GK1</b>	25-pole female insert with solder contacts, grade 1
	<b>FCT25GK</b>	25-pole plastic shell for max. 10.5 mm cable Ø
<b>12</b>	<b>FCT25GM</b>	25-pole full metal shell for 3.0 - 8.5 mm cable Ø
	<b>FCT25HM</b>	25-pole full metal shell for 8.5 - 13.5 mm cable Ø

**ORDER NO. DESCRIPTION**

<b>FCT25-UNC</b>	Knurled screw 4/40 UNC thread, 28 mm long
<b>FCT25-M2.5</b>	Knurled screw M2.5 thread, 28 mm long
<b>FCT25-M3</b>	Knurled screw M3 thread, 28 mm long

Multipin Connectors ▶ Audio ▶ **SUB-D INSTALLATION***If need be even without solder...*

These 15-pole HD SUBD connectors with a 10-pole screw connection have been designed especially for VGA connecting solutions in the installation sector. A matching housing with clip fastener and an opening for max. 12 mm cable Ø is included both with the male and the female versions. The maximum diameter for the screw connection is 1.5 mm. We recommend our corresponding Transit Mini Flex and Transit Mini Control cable series, see the "Cable Bulkware - Video" section.

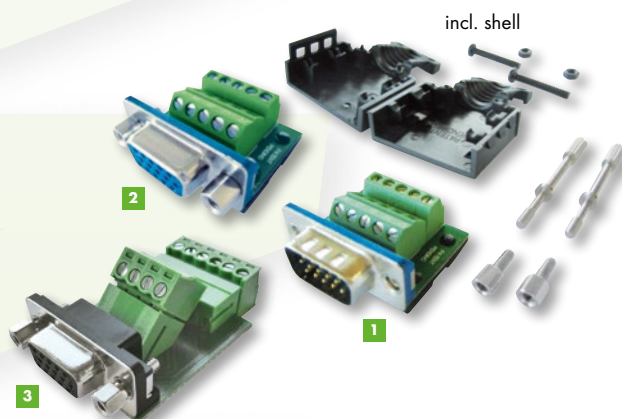
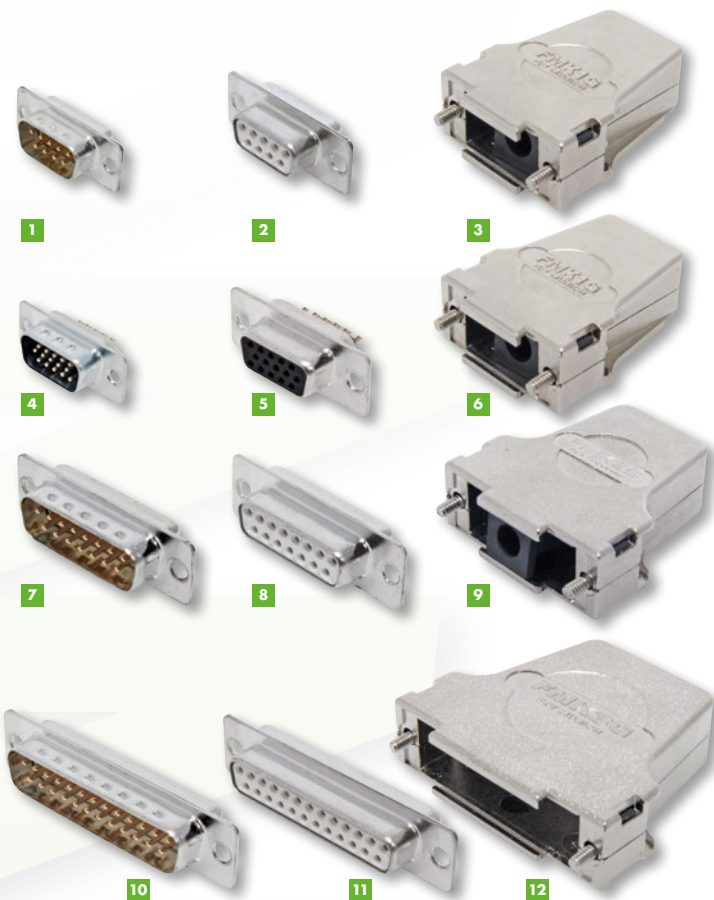
**ORDER NO. 15-pole version HD Installation RGBHV**

<b>1</b>	<b>SUBD15HDCMS</b>	15-pole HD pin insert with screw terminal
<b>2</b>	<b>SUBD15HDCFS</b>	15-pole HD socket insert with screw terminal
<b>Installation version for panel mounting</b>		
<b>3</b>	<b>SUBD15HDCFS-2</b>	15-pole HD socket insert with screw terminal



We supply the FCT D-Sub pin inserts and socket inserts resp. with a steel shell and a glass fibre reinforced thermoplast insulator according to UL94V-0 and a solder bath connection.

The elaborate full metal shells are made of robust zinc die-cast with a high-grade nickel-plating. Using a catch spring system and pre-assembled locking screws the housings are fast and easily mounted. The shells have a straight cable outlet with a dependable strain relief, a sleeve support is included. Optionally the FCT shells are also available in plastic.





Multipin Audio ▶ **SOCAPEX***A well-rounded matter...*

are the round 37-pole **SOCAPEX** connectors designed to match our **MCF12** and **QMC12** multipairs.

They are primarily used for assembling multipairs and stagebox systems with a separate ground wiring scheme in the professional stage & event technology and for analogue 0 - 10 V control lines in the lighting business (dimmers).

The solder contact lugs and sockets are permanently integrated into the housing. Pin assignment diagrams can be found on the last pages of this catalogue.

**APPLICATIONS:**

- Outdoor areas/professional event technology
- In soiled ambience, in cold or damp weather

**BENEFITS:**

- Available in 37-pole version (12 channels with separate ground)
- Splash-proof according to IP67 protection class, vibration-proof
- Reliable cap nut lock, solid housing
- Self-centering pins for very good contact
- Temperature range: -55 °C...+125 °C
- Low contact resistances ensure outstanding audio quality

**ORDER NO. 37-pole version (12-channel)**

<b>1 SLEME337</b>	Panel plug (male)
<b>2 SLEF337</b>	Panel socket (female)
<b>3 SLFMD337</b>	Cable plug (male) with permanently integrated PG screw connection
<b>4 SLFDR337</b>	Cable socket (female) with permanently integrated PG screw connection
<b>5 SLMA337</b>	Cover shell for connector male
<b>SLFA337</b>	Cover shell for connector female

Multipin Connectors ▶ Audio ▶ **EDAC***The classic...*

among the multipins is the **EDAC-516** plug connector, this can still be seen today, mainly in the studio sector.

It consists of a contact strip with a screw or a nut as counterpart. The coolest thing is that you need only one contact version/size, which must be inserted horizontally or vertically into the socket of the contact strips.

The contacts are available either as solder or crimp versions. The gold-plated connection is made by interlocking the horizontal and vertical contact forks.

There are 4 types of plug connectors:

A: Contact strip male with screw - all contacts inserted horizontally

B: Contact strip male with nut - all contacts inserted horizontally

C: Contact strip female with screw - all contacts inserted vertically

D: Contact strip female with nut - all contacts inserted vertically

Here only A and D or B and C resp. will fit together

We deliver the most widely used 56-pole version from stock.

The 90-pole version is available on request.

**ORDER NO. 56-pole version (18-channel)**

<b>1 EDAC56MS</b>	Contact strip male with screw, plastic
<b>EDAC56MM</b>	Contact strip male with nut, plastic
<b>2 EDAC56FS</b>	Contact strip female with screw, plastic
<b>EDAC56FM</b>	Contact strip female with nut, plastic
<b>3 EDAC56GM</b>	Cable shell f. 56-pole contact strip, alu die-cast

**ORDER NO. 56-pole version (18-channel)**

<b>4 EDAC-PIN-C</b>	Crimp contact gold-plated (universal)
<b>5 EDAC-PIN-L</b>	Solder contact gold-plated (universal)
<b>6 EDAC-WAD</b>	Extraction tool f. EDAC contacts
<b>7 EDAC-WMO</b>	Mounting tool f. EDAC crimp contacts
<b>8 EDAC-WCZ</b>	Crimp pliers f. EDAC contacts, cable diam. 18 - 26 mm

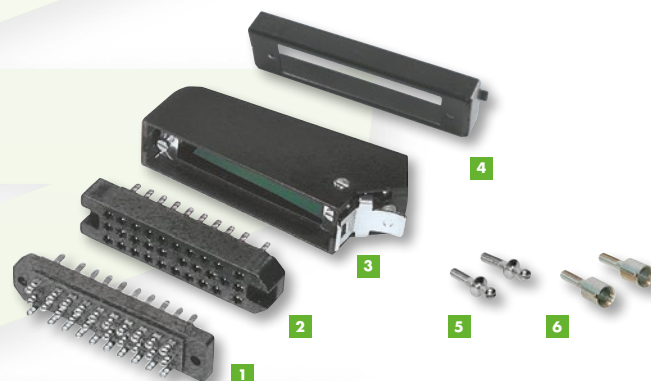
Multipin Audio ▶ **SIEMENS MULTIPIN CLIP CONNECTORS DIN 41622***The multipin clip connectors...*

in the 30-pole version are frequently used in the broadcasting sector. We use our compact 10-pair digital multipair **SC-AURA**. For the 12-channel (39-pole version) we recommend the **TRANSFER AMCK 12**. The cable housing and the mounting flange are available in plastic or metal.

In order to fix the contact insert in the housing you need the coding screws. These are available in male or female, this avoids mismatching. The products labelled with the SYSBOXX logo are compatible with our modular SYSBOXX (see Multicore Systems).

**ORDER NO.****DESCRIPTION**

<b>1 SML30CML-AU</b> <b>SYS BOXX</b>	30-pole plug with gold-plated solder contacts/male multipin clip connector
<b>2 SML30CFL-AU</b> <b>SYS BOXX</b>	30-pole socket with gold-plated solder contacts/female multipin clip connector
<b>SML39CML</b>	39-pole plug with solder contacts/male multipin clip connector
<b>SML39CFL</b>	39-pole socket with solder contacts/female multipin clip connector
<b>3 SML30GM</b>	Metal sleeve housing
<b>4 SML30FM</b> <b>SYS BOXX</b>	Metal snap-in trough
<b>5 SML30CSM</b>	Coding screw male per pc.
<b>6 SML30CSF</b>	Coding screw female per pc.



## Mains 230 V/400 V ▶ SCHUKO/IEC PLUGS/CEE/MISCELLANEOUS



ORDER NO.	DESCRIPTION	ORDER NO.	DESCRIPTION
<b>1</b>	<b>EURO-MC230/02-SW</b> EURO cable plug, black	<b>9</b>	<b>SCHU-MC230/16KSW</b> SCHUKO cable plug, black, plastic
<b>EURO-MC230/02-WS</b>	EURO cable plug, white		230 V/16 A (max. 2.5 mm <sup>2</sup> )
	each for: 230 V/2.5 A (max. 0.75 mm <sup>2</sup> )	<b>10</b>	<b>SCHU-FC230/16KSW</b> SCHUKO cable socket, black, plastic
<b>2</b>	<b>EURO-FC230/02-SW</b> EURO cable socket, black		230 V/10 A (max. 1.5 mm <sup>2</sup> )
<b>EURO-FC230/02-WS</b>	EURO cable socket, white	<b>11</b>	<b>SCHU-MC250/16-90</b> SCHUKO right-angle plug elastomer, black,
	each for: 230 V/2.5 A (max. 0.75 mm <sup>2</sup> )		<b>90° angled</b> , German, Belgian, French
<b>3</b>	<b>KAGE-FC230/10-SW</b> IEC cable socket, black		250 V/16 A (max. 2.5 mm <sup>2</sup> ), IP44
	C13, 230 V/10 A (max. 1.0 mm <sup>2</sup> ), IP20	<b>12</b>	<b>SCHU-FC230-3</b> SCHUKO cable socket triple, black,
<b>4</b>	<b>KAGE-MC230/10-SW</b> IEC cable plug, black		pendant enclosure IP44 protection
	C13, 230 V/10 A (max. 1.5 mm <sup>2</sup> ), IP20		250 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>5</b>	<b>SCHU-MC230/16-SW</b> SCHUKO cable plug, black,	<b>13</b>	<b>SCHU-FC230-3RSW</b> SCHUKO cable socket triple single-line,
	rubber enclosure with sleeve support		black, TPE pendant enclosure IP44 protection
	230 V/16 A (max. 2.5 mm <sup>2</sup> )		250 V/16 A (max. 1.5 mm <sup>2</sup> )
<b>6</b>	<b>SCHF-MC230/16-SW</b> Cable plug, black, French standard,	<b>14</b>	<b>SCHU-FP230/16SN</b> SCHUKO SNAP-IN panel socket,
	rubber housing with bending protection		w/o cover, white, 250 V/16 A (max. 2.5 mm <sup>2</sup> )
	230 V/16 A (max. 2.5 mm <sup>2</sup> )	<b>15</b>	<b>SCHF-FP230/16SN</b> SNAP-IN flushmount box, French standard
<b>7</b>	<b>SCHU-FC230/16-SW</b> SCHUKO cable socket, black,		without cover, white, 250 V/16 A (max. 2.5 mm <sup>2</sup> )
	rubber enclosure with sleeve support		<b>SCHC-FP230/16SN</b> SNAP-IN flushmount box, Swiss standard
	230 V/16 A (max. 2.5 mm <sup>2</sup> )		white, 250 V/10 A (max. 2.5 mm <sup>2</sup> )
<b>8</b>	<b>SCHF-FC230/16-SW</b> Cable box, black, French standard,		
	rubber housing with bending protection	<b>16</b>	<b>SCHU-BSNG</b> Contact safety device for SNAP-IN SCHUKO
	with cover 230 V/16 A (max. 2.5 mm <sup>2</sup> )		

Mains 230 V/400 V ▶ **SCHUKO IEC POWER CONNECTORS/CEE/MISCELLANEOUS***A hot potato...*

are the load connectors, should their quality be questionable. We have compiled for you a high-class „made in Germany“ range of **SCHUKO** and **CEE** connectors by Mennekes with excellent electrical and mechanical properties for the 230 V and 400 V technology.

When using these connectors you should by all means have comprehensive electrotechnical skills and install a GFCI breaker between load and power source. The CEE connectors comply with the IEC309-1/-2, DIN EN60309-1/-2 and DIN VDE0623 standards and also the IP44 protection class.

The SCHUKO connectors (max. 2.5 mm<sup>2</sup> cable) comply with the DIN 49440-1/-2/-3 and DIN VDE 0620 standards.

For the matching load cables **ATRIUM FLEX**, **SILCOFLEX** and **RUBBERFLEX** have a look at the Bulkware section.

The products labelled with the SYSBOXX logo are compatible with our modular SYSBOXX (see Multicore Systems).



**MENNEKES®**  
Plugs for the world



ORDER NO.	DESCRIPTION
<b>1</b>	<b>SCHU-MC230/16PSW</b> SCHUKO cable plug, black, <b>solid pro quality</b> with sleeve support 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>2</b>	<b>SCHU-FC230/16PSW</b> SCHUKO cable socket, black, <b>solid pro quality</b> with sleeve support and cover 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>3</b>	<b>SCHU-FP230/16DBL</b> SCHUKO panel socket w. cover, blue 230 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>SYS BOXX</b>
	<b>SCHU-FP230/16DSW</b> SCHUKO panel socket w. cover, black 230 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>SYS BOXX</b>
<b>4</b>	<b>SCHU-FP230/16XBL</b> SCHUKO panel socket w/o cover, blue 230 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>SYS BOXX</b>
	<b>SCHU-FP230/16XSW</b> SCHUKO panel socket w/o cover, black 230 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>SYS BOXX</b>
<b>5</b>	<b>CEE3-MC230/16-BL</b> CEE cable plug 3-pole, blue, 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>6</b>	<b>CEE3-FC230/16-BL</b> CEE cable socket 3-pole w. cover, blue 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>7</b>	<b>CEE3-MP230/16-BL</b> CEE panel plug 3-pole, blue, 230 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>8</b>	<b>CEE3-FP230/16-BL</b> CEE panel socket 3-pole w. cover, blue 230 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>SYS BOXX</b>
<b>9</b>	<b>CEE5-MC400/16-RT</b> CEE cable plug 5-pole, red 400 V/16 A (max. 2.5 mm <sup>2</sup> )
	<b>CEE5-MC400/32-RT</b> CEE cable plug 5-pole, red 400 V/32 A (max. 6.0 mm <sup>2</sup> )
	<b>CEE5-MC400/63-RT</b> CEE cable plug 5-pole, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )

ORDER NO.	DESCRIPTION
<b>10</b>	<b>CEE5-FC400/16-RT</b> CEE cable socket 5-pole w. cover, red 400 V/16 A (max. 2.5 mm <sup>2</sup> )
	<b>CEE5-FC400/32-RT</b> CEE cable socket 5-pole w. cover, red 400 V/32 A (max. 6.0 mm <sup>2</sup> )
	<b>CEE5-FC400/63-RT</b> CEE cable socket 5-pole w. cover, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )
<b>11</b>	<b>CEE5-MP400/16-RT</b> CEE panel plug 5-pole, red 400 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>SYS BOXX</b>
	<b>CEE5-MP400/32-RT</b> CEE panel plug 5-pole, red 400 V/32 A (max. 6.0 mm <sup>2</sup> ) <b>SYS BOXX</b>
	<b>CEE5-MP400/63-RT</b> CEE panel plug 5-pole, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )
<b>12</b>	<b>CEE5-FP400/16-RT</b> CEE panel socket 5-pole w. cover, red 400 V/16 A (max. 2.5 mm <sup>2</sup> ) <b>SYS BOXX</b>
	<b>CEE5-FP400/32-RT</b> CEE panel socket 5-pole w. cover, red 400 V/32 A (max. 6.0 mm <sup>2</sup> ) <b>SYS BOXX</b>
	<b>CEE5-FP400/63-RT</b> CEE panel socket 5-pole w. cover, red 400 V/63 A (max. 16.0 mm <sup>2</sup> )
<b>13</b>	<b>CEE3-MC110/16-GE</b> CEE cable plug 3-pole, yellow 110 V/16 A (max. 2.5 mm <sup>2</sup> )
<b>14</b>	<b>CEE3-FC110/16-GE</b> CEE cable socket 3-pole w. cover, yellow 110 V/16 A (max. 2.5 mm <sup>2</sup> )