

PLUG CONNECTORS



Amphenol®

DAMAR & HAGEN

HICON
CONNECTORSMENNEKES®
Plugs for the worldNEUTRIK®
CONNECTORS FOR THE WORLD

[others]



Telegärtner

TOURLOCK

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NEUTRIK

There is not much to say about **NEUTRIK** because these plug systems are known for their outstanding quality throughout the world. The dependable NC-series XLR-plug system is legendary, and now **NEUTRIK** also supplies a dependable series of BNC-connectors where not only the shielding can be crimped, but also the jacket.

Products identified with **SYSBOXX**-logo are suitable for our modular **SYSBOXX** products (see "Multicore Systems").

Order example:

3-pin cable plug made by Neutrik with a black housing and silver-plated contacts: **NC3MX-BAG** (BAG = black housing, initial "B" for black and "AG" (= element designation silver). Careful! If you order an **NC3MX-B** you will receive a 3-pin plug with a black housing and gold-plated pins. Refer to the chart provided by **NEUTRIK**:

N	Neutrik
C	Connector, Adapter, Plug, Jack, Loudspeaker, BNC
3	No. of pins
F	Gender (Male/Female)
A	Series (P, A, B, D, DL, X, EZ, RC, AZ)
H	Connection technique (Horizontal, Vertical)
B	Black housing, gold-plated contacts
BAG	Black housing, silver-plated contacts (AG)
NI	Nickel-plated housing
NYS	Basic version

NEUTRIK®

CONNECTING THE WORLD

EXCLUSIVELY AT
SOMMER CABLE
SERIES NC3...SOM

Made
in Liechtenstein

- More plug cycles with hard gold plating
- Machined FX-contacts (instead of punched)
- 270 °C high temperature insulation
- Velvet-chrome high end finish
- Transmission resistance even lower
- Digitally suitable with low vibration contacts

Neutrik ▶ Audio ▶ XLR-CABLE PLUG CONNECTORS

FOR OTHER SUPPLIERS REFER TO THE OVERVIEW
AT THE BEGINNING OF THE CHAPTER

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	NEW! Pins nickel-plated:		Pins silver-plated:
	3-pin male	NC3MXX	
	3-pin male		NC3MXX-BAG
	5-pin male	NC5MXX	
	5-pin male		NC5MXX-BAG
	7-pin male	NC7MXX	
	7-pin male		NC7MXX-BAG
	Pins nickel-plated:		Pins silver-plated:
	3-pin male	NC3MX	
	3-pin male		NC3MX-BAG
	5-pin male	NC5MX	
	5-pin male		NC5MX-BAG
	7-pin male	NC7MX	
	Pins gold-plated:		
	3-pin male		NC3MXX-B
	3-pin male		NC3MX-B
	5-pin male		NC5MX-B
	7-pin male		NC7MX-B
	SOMMER CABLE version: Hard gold-plated machined contacts, velvet-chrome housing, high temperature insulation		
	3-pin male	NC3MX-SOM	
	Pins nickel-plated, angled:		Pins silver-plated, angled:
	3-pin male	NC3MRX	
	3-pin male		NC3MRX-BAG
	5-pin male	NC5MRX	
	7-pin male	NC7MRX	
	gold-plated:		NC3MRX-B

EXCLUSIVELY AT
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SERIES NC3...SOM

Cable socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	NEW! Pins nickel-plated:		Pins silver-plated:
	3-pin female	NC3FXX	
	3-pin female		NC3FXX-BAG
	5-pin female	NC5FXX	
	5-pin female		NC5FXX-BAG
	7-pin female	NC7FXX	
	7-pin female		NC7FXX-BAG
	Pins nickel-plated:		Pins silver-plated:
	3-pin female	NC3FX	
	3-pin female		NC3FX-BAG
	5-pin female	NC5FX	
	5-pin female		NC5FX-BAG
	7-pin female	NC7FX	
	Pins gold-plated:		
	3-pin female		NC3FXX-B
	3-pin female		NC3FX-B
	5-pin female		NC5FX-B
	7-pin female		NC7FX-B
	SOMMER CABLE version: Hard gold-plated machined contacts, velvet-chrome housing, high temperature insulation		
	3-pin female	NC3FX-SOM	
	Pins nickel-plated, angled:		Pins silver-plated, angled:
	3-pin female	NC3FRX	
	3-pin female		NC3FRX-BAG
	5-pin female	NC5FRX	
	7-pin female	NC7FRX	
	gold-plated:		NC3FRX-B

EXCLUSIVELY AT
SOMMER CABLE
SERIES NC3...SOM

Neutrik ▶ Audio ▶ **XLR-MOUNTING PLUG CONNECTORS**FOR OTHER SUPPLIERS REFER TO THE OVERVIEW
AT THE BEGINNING OF THE CHAPTER

Mounting plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	[SYS BOXX] Pins nickel-plated:		Pins silver-plated:
	3-pin male	NC3MDL1	
	3-pin male		NC3MDL1-BAG
	5-pin male	NC5MDL1	
	7-pin male	NC7MDL1	

	[SYS BOXX] Pins gold-plated:		
	3-pin male		NC3MDL1-B
	5-pin male		NC5MDL1-B
	7-pin male		NC7MDL1-B

	[SYS BOXX] NEW! Pins nickel-plated:		Pins silver-plated:
	3-pin male	NC3MDLX	
	3-pin male		NC3MDLX-BAG
	3-pin male		Pins gold-plated: NC3MDLX-B

	[SYS BOXX] Pins nickel-plated, housing plastic:		
	3-pin male	NC3MPP	

	Pins nickel-plated:		
	3-pin male	NC3MP	
	3-pin male		NC3MP-BAG

	[SYS BOXX] Print horizontal:		
	3-pin male	NC3MDH	
	3-pin male		NC3MDH-B

	[SYS BOXX] Print vertical:		
	3-pin male	NC3MDV	
	3-pin male		NC3MDV-B

Mounting socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	[SYS BOXX] Pins nickel-plated:		Pins silver-plated:
	3-pin female	NC3FDL1	
	3-pin female		NC3FDL1-BAG
	5-pin female	NC5FDL1	
	7-pin female	NC7FDL1	

	[SYS BOXX] Pins gold-plated:		
	3-pin female		NC3FDL1-B
	5-pin female		NC5FDL1-B
	7-pin female		NC7FDL1-B

	[SYS BOXX] NEW! Pins nickel-plated:		Pins silver-plated:
	3-pin female	NC3FDLX	
	3-pin female		NC3FDLX-BAG
	3-pin female		Pins gold-plated: NC3FDLX-B

	[SYS BOXX] Pins nickel-plated, housing plastic:		
	3-pin female	NC3FPP	

	Pins nickel-plated:		
	3-pin female	NC3FP1	
	3-pin female		NC3FP1-BAG

	[SYS BOXX] Print horizontal:		
	3-pin female	NC3FDH	
	3-pin female		NC3FDH-B

	[SYS BOXX] Print vertical:		
	3-pin female	NC3FDV	
	3-pin female		NC3FDV-B

XLR/jack combi-mounting socket	Contacts	ORDER-NO. Black
	mono	
	[SYS BOXX] nickel-plated, housing plastic:	
	3-pin female	NCJ5FIS
	XLR/jack mono (soldered)	
	3-pin female	NCJ5FIH
	XLR/jack mono (print H)	
	3-pin female	NCJ5FIV
	XLR/jack mono (print V)	

XLR/jack combi-mounting socket	Contacts	ORDER-NO. Black
	stereo	
	[SYS BOXX] nickel-plated, housing plastic:	
	3-pin female	NCJ6FIS
	XLR/jack stereo (soldered)	
	3-pin female	NCJ6FIH
	XLR/jack stereo (print H)	
	3-pin female	NCJ6FIV
	XLR/jack stereo (print V)	

NEUTRIK A-Series/B-Series

The following 3-pin version for the **A-Series (plastic)** was developed by NEUTRIK to enable installation of various mounting plugs in small spaces. They are mounted from the inside with self-cutting screws. The B-Series is the metal version. There are various versions available with the option for print assembly. Please find the respective information below.

IMPORTANT: The A-/B-Series complies with the industrial standard for e.g. installation in mixing boards, DI-boxes, or similar. They do **not** fit common patch panels with universal bore holes (D-Series).

A-series print mounting plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	[SYS BOXX]		
	Pins gold-plated:		
	3-pin male		NC3MAV
	3-pin male		NC3MAH
	Pins gold-plated:		
	3-pin male	NC3MBV	
	3-pin male	NC3MBH	
	3-pin male	NC3MBY	

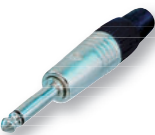
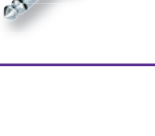
A-series print mounting plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	[SYS BOXX]		
	Pins gold-plated:		
	3-pin female		NC3FAV2
	3-pin female		NC3FAH2
	Pins gold-plated:		
	3-pin female	NC3FBV2	
	3-pin female	NC3FBH2	
	3-pin female	NC3FBY	

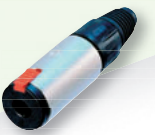
NEUTRIK®
CONNECTING THE WORLD

Symbol legend, order-no. code:

- V** = Vertical printer connection, straight
H = Horizontal printer connection, angled
HL = Horizontal printer connection, to **left**
HR = Horizontal printer connection, to **right**
Y = IDC-version
2 = Housing and ground pin separate from Pin 1

Neutrik ▶ Audio ▶ JACK PLUG CONNECTORS

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	6.3 mm nickel-plated:		Pins silver-plated:
	2-pin male	NP2X	
	2-pin male		NP2X-BAG
	3-pin male	NP3X	
	3-pin male		NP3X-BAG
	6.3 mm gold-plated:		
	2-pin male	NP2C	
	2-pin male		NP2C-BAG
	3-pin male	NP3C	
			NP3C-BAG
	6.3 mm, nickel-plated, angled:		
	2-pin male	NP2RCS	
	3-pin male	NP3RCS	
	6.3 mm gold-plated with solenoid switch:		
	2-pin male	NP2C-AU-SILENT	
	6.3 mm gold-plated, angled with solenoid switch:		
	2-pin male	NP2RX-AU-SILENT	
	6.3 mm, nickel-plated - BASIC:		
	2-pin male	NYS201	
	3-pin male	NYS202	
	3.5 mm, nickel-plated - BASIC:		Pins gold-plated:
	3-pin male	NYS231	
	3-pin male		NYS231BG

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	6.3 mm nickel-plated, angled:		Pins silver-plated:
	2-pin male	NP2RX	
	2-pin male		NP2RX-BAG
	3-pin male	NP3RX	
	3-pin male		NP3RX-BAG
	6.3 mm gold-plated, angled:		
	2-pin male	NP2RX-B	
	3-pin male		NP3RX-B
	3.5 mm, nickel-plated, angled:		Pins gold-plated:
	3-pin male	NTP3RC	
	Pins gold-plated:		
	3-pin male		NTP3RC-B
Socket	Contacts	BEST.-NR. Nickel	BEST.-NR. Black
	3.5 mm, nickel-plated:		
	3-pin female	NYS240	
	3-pin female		NYS240BG
	6.3 mm, nickel-plated:		Pins silver-plated:
	3-pin female	NJ3FC6	
	3-pin female		NJ3FC6-BAG
	[SYS BOXX]		
	6.3 mm, nickel-plated:		Pins silver-plated:
	3-pin female	NJ3FP6C	
	3-pin female		NJ3FP6C-BAG
	6.3 mm, gold-plated, housing metal black:		
	3-pin female		NJ3FP6C-B
	[SYS BOXX]		
	6.3 mm, silver-plated, housing plastic black:		
	3-pin female		NJ3FP6P-BAG

Neutrik ▶ Audio ▶ **SPEAKON****NEUTRIK**
CONNECTING THE WORLD

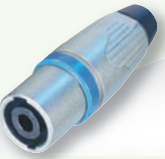
Proven and very robust 4- to 8-pin speaker plug connectors with bayonet closure. Plugs and sockets are shockproof in compliance with IEC65/348. The plug is connected with screw clamps.

We recommend the use of wire end sleeves – see the following pages. New is the water-protected version NLT in compliance with Protection Type IP67.

Cable socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	2-pin female		NL2FC
	(> 1000 W): 4-pin female		NL4FX
	(> 1000 W), angled: 4-pin female		NL4FRX
	8-pin female		NL8FC
	Metal housing, water-resistant, IP67: 4-pin female	NLT4FX	
	4-pin female		NLT4FX-BAG

Mounting plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	2-pin male		NL2MP
	Print H, grey: 4-pin male Print V, grey: 4-pin male 4-pin male High current, 4-pin male		NL4MDH NL4MDV NL4MP NL4MP-UC
	4-pin male		NL4MPR
	8-pin male	NL8MPR	
	8-pin male		NL8MPR-BAG
	Metal housing, water-resistant, IP67: 4-pin male	NLT4MP	
	4-pin male		NLT4MP-BAG

Mounting socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	Metal housing, water-resistant, IP67: 4-pin female	NLT4FP	
	4-pin female		NLT4FP-BAG

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	Metal housing, water-resistant, IP67: 4-pin male	NLT4MX	
	4-pin male		NLT4MX-BAG

Neutrik ▶ Power ▶ **POWERCON****NEUTRIK**
CONNECTING THE WORLD

The POWERCON connector by Neutrik is a dependable and simple to lock plug connector with a loading capacity of 250 V and 20 A. VDE-Reg.-No. 6360. For electric shock protection on the mounting socket we recommend protection cap SCDR.

Powercon	Contacts	ORDER-NO. Blue	ORDER-NO. Grey
	System 1 – power in (blue) Energized/ power output: 3-pin cable	NAC3FCA	
	System 1 – power in (blue) Energized/ power input: 3-pin mounting	NAC3MPA	

Powercon	Contacts	ORDER-NO. Blue	ORDER-NO. Grey
	System 2 – power out (grey) Energized/ power input: 3-pin cable		NAC3FCB
	System 2 – power out (grey) Energized/ power outlet: 3-pin mounting		NAC3MPB

Neutrik ▶ Audio ▶ **CINCH/MIDI**

Cable plug	Contacts	ORDER-NO.	ORDER-NO.
	Cinch:	nickel	black
	2-pin male	NYS352	NYS352BG
		blue	green
	2-pin male	NYS373-6	NYS373-5
		red	black
	2-pin male	NYS373-2	NYS373-0
	Genuine gold plating, solid pin, for 3 - 7.3 mm cable:		
	2-pin male	NF2CB2 (pair)	
	Midi cable plug, nickel-plated pins:		
	5-pin male	NYS322	

Cable plug	Contacts	ORDER-NO.	ORDER-NO.
	Cinch mounting socket, soldered version:		
		nickel	black/gold
	2-pin female	NYS372P	
	2-pin female		NYS372P-BG
	Cinch mounting socket, soldered version:		
		blue	green
	2-pin female	NYS367-6	NYS367-5
			yellow
	2-pin female		NYS367-4
		red	black
	2-pin female	NYS367-2	NYS367-0
	D-flange, nickel:		
		blue	green
	2-pin female	NF2D6	NF2D5
		red	white
	2-pin female	NF2D2	NF2D9
	D-flange, black:		
		blue	green
	2-pin female	NF2D-B6	NF2D-B5
		red	white
SYS BOXX	2-pin female	NF2D-B2	NF2D-B9
	Midi mounting socket:		
	5-pin female	NYS325	

Neutrik ▶ Audio + Video ▶ **ADAPTER**
NEUTRIK
CONNECTING THE WORLD


More adapters are available on the next pages and under "Premade Cables/Event Technology".

ORDER-NO.	Connections	Assignm.
1 NA3FF	XLR female > XLR female	3-pin
2 NA3MM	XLR male > XLR male	3-pin
3 NA3FM	XLR female > XLR male	3-pin
4 NA2FP	XLR female > jack plug mono	2-pin
5 NA2MP	XLR male > jack plug mono	2-pin
6 NA3FP	XLR female > jack plug stereo	3-pin
7 NA3MP	XLR male > jack plug stereo	3-pin
8 NA3FJ	XLR female > jack socket stereo	3-pin
9 NA3MJ	XLR male > jack socket stereo	3-pin
10 NA2FPMF	XLR female > cinch socket	2-pin
11 NA2MPMF	XLR male > cinch socket	2-pin
12 NA2FPM	XLR female > cinch plug	2-pin
13 NA2MPM	XLR male > cinch plug	2-pin
14 NA3MT	XLR male DMX terminator 120 Ω	3-pin

ORDER-NO.	Connections	Assignm.
15 NA3F5M	XLR 3 female > XLR 5 male DMX	3-pin
16 NA3M5F	XLR 3 male > XLR 5 female DMX	3-pin
17 NA2FBNC	XLR female > BNC female	2-pin
18 NA2MBNC	XLR male > BNC female	2-pin
19 NYS236	Jack socket mono > jack socket mono	2-pin
20 NADITBNC-F	XLR fem. > BNC fem. (AES/EBU > AESid*)	2-pin
21 NADITBNC-M	XLR male > BNC fem. (AES/EBU > AESid*)	2-pin
22 NADITBNC-FX	XLR fem. > BNC fem. (AES/EBU > AESid*)	2-pin
23 NADITBNC-MX	XLR male > BNC fem. (AES/EBU > AESid*)	2-pin
24 NL4MMX	Speakon 4 female > Speakon 4 female	4-pin
25 NL8MM	Speakon 8 female > Speakon 8 female	8-pin
26 NA4LJX	Speakon 4 male > jack socket mono	2-pin
27 NAC3MM	PowerCon 230V NAC3MPA > NAC3MPB	3-pin

* Converter 110 Ω > 75 Ω

Neutrik ▶ Audio ▶ **ACCESSORIES**

ORDER-NO.	Color	Description
1 DBA	■ black	Cover for XLR-blank
2 SCDF	■ black	Cover for XLR-mounting sockets
3 SCDM	■ black	Cover for XLR-mounting plugs
4 NA-HOUSING	■ black	Aluminum profile housing 65 mm for D-series incl. screws

ORDER-NO.	Color	Description
5 NM3MD-B	■ black	XLR-mounting plug with flange, suitable for NA-HOUSING/Hi-HOUSING
6 NM3FD-B	■ black	XLR-mounting socket with flange, suitable for NA-HOUSING/Hi-HOUSING
7 SCDR	■ black	Soft plastic protection cap for mounting sockets (e.g. PowerCon)
NLLR	■ black	Reduction ring for NL4FX, strain relief for cable Ø 5 - 7 mm

Neutrik ▶ Audio ▶ **COLOR CODING**
NEUTRIK®
 CONNECTING THE WORLD

ORDER-NO.	Color	Description
XCR1	■ brown BR	Coding ring for XLR MX, XLR FX
XCR2	■ red RT	
XCR3	■ orange OR	
XCR4	■ yellow GE	
XCR5	■ green GN	
XCR6	■ blue BL	
XCR7	■ violet VI	
XCR8	■ grey GR	
XCR9	□ white WS	
XCR0	■ black SW	
BSX1	■ brown BR	Covers for XLR MX, XLR FX, EtherCon
BSX2	■ red RT	
BSX3	■ orange OR	
BSX4	■ yellow GE	
BSX5	■ green GN	
BSX6	■ blue BL	
BSX7	■ violet VI	
BSX8	■ grey GR	
BSX9	□ white WS	
BSX0	■ black SW	
XXR1	■ brown BR	Coding rings for XLR XX-series
XXR2	■ red RT	
XXR3	■ orange OR	
XXR4	■ yellow GE	
XXR5	■ green GN	
XXR6	■ blue BL	
XXR7	■ violet VI	
XXR8	■ grey GR	
XXR9	□ white WS	
XXR0	■ black SW	
XXCR	□ transparent TR	
ACRM1	■ brown BR	Coding rings for A-Series male
ACRM2	■ red RT	
ACRM3	■ orange OR	
ACRM4	■ yellow GE	
ACRM5	■ green GN	
ACRM6	■ blue BL	
ACRM7	■ violet VI	
ACRM8	■ grey GR	
ACRM9	□ white WS	
ACRF1	■ brown BR	Coding rings for A-Series female
ACRF2	■ red RT	
ACRF3	■ orange OR	
ACRF4	■ yellow GE	
ACRF5	■ green GN	
ACRF6	■ blue BL	
ACRF7	■ violet VI	
ACRF8	■ grey GR	
ACRF9	□ white WS	

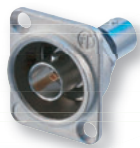
ORDER-NO.	Color	Description
PCR1	■ brown BR	Coding ring for jack plug NP-C
PCR2	■ red RT	
PCR3	■ orange OR	
PCR4	■ yellow GE	
PCR5	■ green GN	
PCR6	■ blue BL	
PCR7	■ violet VI	
PCR8	■ grey GR	
PCR9	□ white WS	
PCR0	■ black SW	
PXR1	■ brown BR	Coding ring for jack plug NP-X
PXR2	■ red RT	
PXR3	■ orange OR	
PXR4	■ yellow GE	
PXR5	■ green GN	
PXR6	■ blue BL	
PXR7	■ violet VI	
PXR8	■ grey GR	
PXR9	□ white WS	
PXR0	■ black SW	
BSP1	■ brown BR	Cover for jack plug
BSP2	■ red RT	
BSP3	■ orange OR	
BSP4	■ yellow GE	
BSP5	■ green GN	
BSP6	■ blue BL	
BSP7	■ violet VI	
BSP8	■ grey GR	
BSP9	□ white WS	
BSP0	■ black SW	
LCR2	■ red RT	Coding ring for Speakon NL4FRX
LCR4	■ yellow GE	
LCR5	■ green GN	
LCR6	■ blue BL	
LCR9	□ Weiß WS	
BSL3	■ orange OR	Color sleeves for Speakon NL4FC
BSL4	■ yellow GE	
BSL5	■ green GN	
BSL7	■ violet VI	
BSL-WR	■ black SW	Sealing sl. for Speakon NL4FC + PowerCon
DSS1	■ brown BR	Image label for mounting sockets XLR, Speakon, PowerCon, Klinke, EtherCon
DSS2	■ red RT	
DSS3	■ orange OR	
DSS4	■ yellow GE	
DSS5	■ green GN	
DSS6	■ blue BL	
DSS7	■ violet VI	
DSS8	■ grey GR	
DSS9	□ white WS	
DSS0	■ black SW	

Neutrik ▶ Video ▶ **BNC HDTV**

The BNC 75 Ω cable plug, with space-saving bayonet closure or as a push-pull version, is compatible with all standard 75 Ω plugs and suitable for HDTV-application. It has a black jacket. The coding sleeves are available in 9 different colors and have to be ordered separately – see Section "Color Coding". The 75 Ω video BNC-

Cable plug	Contacts	ORDER-NO. Nickel	(suitable crimp. insert)
			
	Rear twist crimp (hex 6.47 mm), HDTV, gold-plated: For cables: SC-Focusline, SC-Altera Split, Intercom Maxi 2-pin male	NBNC75BLP7	(DIE-R-BNC-PDC)
			
	Rear twist crimp (hex 5.0 mm), HDTV, gold-plated: For cables: SC-Slimline, Transit Kombi, Transit, Transit MC -201, -523, -8232 2-pin male	NBNC75BFG7	(DIE-R-BNC-PG)
			
	Rear twist crimp (hex 5.41 mm), HDTV, gold-plated: For cables: Transit Mobile 2-pin male	NBNC75BIJ9	(DIE-R-BNC-PJ)
			
	Rear twist crimp (hex 5.41 mm), HDTV, gold-plated: For cables: Transit MC -120, -123, Observer1, Observer2 2-pin male	NBNC75BJJ9	(DIE-R-BNC-PJ)
			
	Rear twist crimp (hex 6.47 mm), HDTV, gold-plated: For cables: SC-Vector 0.8/3.7 2-pin male	NBNC75BLP9	(DIE-R-BNC-PDC)
			
	Rear twist crimp, HDTV, gold-plated: For cables: SC-Vector Plus 1.2/5.0 2-pin male	NBNC75BWU13	(DIE-R-BNC-PU)
			
	Rear twist tiny, crimp (hex 4.06 mm), HDTV, gold-plated: For cables: Transit Mini Flex, RG179, SC-Monomax 2-pin male	NBTC75BLI4	(DIE-R-BNC-PDC)
			
	Rear twist tiny, crimp (hex 4.06 mm), HDTV, gold-plated: For cables: Cinema-SV, Transit Mini, Intercom Mini 2-pin male	NBTC75BLI5	(DIE-R-BNC-PDC)
			
	Rear twist tiny, crimp (hex 5.0 mm), HDTV, gold-plated: For cables: Transit MC -113, -343 2-pin male	NBTC75BVX6	(DIE-R-BNC-PDC)

mounting sockets by Neutrik are suitable for universal panels. They have gold-plated sockets and Teflon-insulation. The solder-free version can be connected to a BNC-patch cable. Other Neutrik BNC-connectors are available upon request.

Mounting socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	Housing insulated, 2-pin female: Throughput socket	NBB75DFI	
	Throughput socket		NBB75DFIB
	Housing on ground, 2-pin female: Throughput socket	NBB75DFG	
	Throughput socket		NBB75DFGB
	Housing insulated, 2-pin female: Soldered version	NBB75DSI	
	Soldered version		NBB75DSIB
	Housing on ground, 2-pin female: Soldered version	NBB75DSG	
	Soldered version		NBB75DSGB

Cable plug	Contacts	ORDER-NO. Nickel	(suitable crimp. insert)
			
	Push-pull, crimp, HDTV, gold-plated: For cables: SC-Slimline, Transit Kombi, Transit, Transit MC -201, -523, -8232 2-pin male	NBNC75PFE7	(DIE-R-BNC-PG)
			
	Push-pull, crimp, HDTV, gold-plated: For cables: SC-Vector 0.8/3.7 2-pin male	NBNC75PLS9	(DIE-R-BNC-PG)
			
	Push-pull, crimp, HDTV, gold-plated: For cables: SC-Focusline 2-pin male	NBNC75PN57	(DIE-R-BNC-PG)

Color sleeves for Neutrik BNC push-pull

ORDER-NO.	Color
BSP-BNC1	■ brown BR
BSP-BNC2	■ red RT
BSP-BNC3	■ orange OR
BSP-BNC4	■ yellow GE
BSP-BNC5	■ green GN
BSP-BNC6	■ blue BL
BSP-BNC7	■ violet VI
BSP-BNC8	■ grey GR
BSP-BNC9	□ white WS
BSP-BNC10	■ black SW

**Color sleeves for Neutrik BNC rear twist**

ORDER-NO.	Color
BST-BNC1	■ brown BR
BST-BNC2	■ red RT
BST-BNC3	■ orange OR
BST-BNC4	■ yellow GE
BST-BNC5	■ green GN
BST-BNC6	■ blue BL
BST-BNC7	■ violet VI
BST-BNC8	■ grey GR
BST-BNC9	□ white WS
BST-BNC10	■ black SW



Neutrik ▶ Data ▶ RJ45/USB/FIREWIRE

NEUTRIK®
 CONNECTING THE WORLD

The RJ45 EtherCon by Neutrik offers optimum protection with a robust housing in an XLR-design. Ideal for mobile application in network and media technologies. The mounting socket has a special lockable housing in an A- or D-flange design. The housing made by NE8MC is simply mounted on a premade RJ45-patch cable. The NE8MC1 is intended for direct assembly to the LAN-cable with simultaneous connection of the RJ45-connector.

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
------------	----------	------------------	-----------------

	RJ45-protection sleeve for future installation: (RJ45-plug connector not included)		
	male	NE8MC	
	male		NE8MC-B

	RJ45-protection sleeve for installation during production: (RJ45-plug connector not included)		
	male	NE8MC1	
	male		NE8MC1-B

Adapter	Connections	ORDER-NO. Black
---------	-------------	-----------------

	RJ45 ↔ RJ45	NE8FF
--	-------------	--------------

Color sleeve for EtherCon MC-version

ORDER-NO.	Color
BSE1	■ brown BR
BSE2	■ red RT
BSE3	■ orange OR
BSE4	■ yellow GE
BSE5	■ green GN
BSE6	■ blue BL
BSE7	■ violet VI
BSE8	■ grey GR
BSE9	■ white WS
BSE10	■ black SW



The robust **USB-** and **Firewire-**patch sockets with D-flange by NEUTRIK are ideally suited for today's media cabling. They can be easily adapted for use with the RJ45-unit above, in our flexible **SYSBOXX**-system, in combination with many other audio and video connections.

Mounting socket	Connections	ORDER-NO. Nickel	ORDER-NO. Black
-----------------	-------------	------------------	-----------------

	USB-A to USB-B 180° turnable:		
		NAUSB	
			NAUSB-B

The OpticalCon® is based on an optical LC-duplex standard connection and consists of a chassis and a cable housing. The robust system protects cable and LC-plug and is ideal for mobile application.

Cable plug	Connections	ORDER-NO. Nickel
------------	-------------	------------------

	Only available premade – see "Premade Cables"	
	LC-Duplex	

The mounting socket is available as a patch version, print version, as an IDC-version, and now also in a CAT.6 standard with a data rate of up to 10 GBit. The cable plug is supplied with a black cap and black color sleeve. Coding caps and blanks are available in 9 different colors and have to be ordered separately – see color coding for Neutrik audio connectors on the previous pages.

Mounting socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
-----------------	----------	------------------	-----------------

	SYS BOXX ■		
	gold-plated, RJ45, patch version, D-flange:		
	female	NE8FDP	
	female		NE8FDP-B

	SYS BOXX ■		
	gold-plated, RJ45, print horizontal, A-flange:		
	female		NE8FAH

	SYS BOXX ■		
	gold-plated, RJ45, IDC-version, D-flange:		
	female	NE8FDV-YK	
	female		NE8FDV-YK-B

	SYS BOXX ■		
	gold-plated, RJ45, IDC-version, A-flange:		
	female	NE8FAV-YK	

	SYS BOXX ■ NEW!		
	gold-plated, CAT.6, RJ45, IDC-version, D-flange:		
	female	NE8FDY-C6	
	female		NE8FDY-C6-B

The USB-version has a USB-A to USB-B adapter, also for installation with a 180° turn. The Firewire/i-Link version has a 6-pin socket in compliance with IEEE1394a.

Mounting socket	Connections	ORDER-NO. Nickel	ORDER-NO. Black
-----------------	-------------	------------------	-----------------

	Firewire 6-pin patch IEEE1394:		
		NA1394-6	
			NA1394-6-B

Two plugs can be installed on the chassis channel from behind. Four copper contacts can be used for power supply or data transmission. Premade cables are available in Chapter "Premade Cables".

Mounting socket	Connections	ORDER-NO. Nickel	ORDER-NO. Ruthenium
-----------------	-------------	------------------	---------------------

	LC-Duplex		
		NO2-4FD	
			NO2-4FD-R

AMPHENOL

Even though **AMPHENOL** is a company with worldwide operations, their product assortment is clearly structured and working with ambitious and likeable Australian, German, and Dutch colleagues is a real pleasure.

AMPHENOL supplies connectors for audio, video, and load connections and is a market leader in mechanical engineering. The round connectors made by the French company **AMPHENOL SOCAPEX** are considered a reasonable and dependable alternative to LK-military connectors.

Products identified by the SYSBOXX-logo are suitable for our modular SYSBOXX (see "Modular Systems").



Amphenol®

Amphenol ▶ Audio ▶ JACK PLUG CONNECTORS

FOR OTHER SUPPLIERS REFER TO THE OVERVIEW AT THE BEGINNING OF THE CHAPTER

Jack plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	gold-plated, with max. cable pickup 9 mm: 2-pin male	ACPM-MB-AU	
	gold-plated, with max. cable pickup 7 mm: 2-pin male	ACPM-GN-AU	upon request
	3-pin male	ACPS-GN-AU	upon request
	High-end jack plug with max. cable pickup 8 mm/satin:		
	2-pin male	TM2PJ	
	3-pin male	TS3PJ	



Jack plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	angled, with max. cable pickup 7 mm: 2-pin male	ACPM-MRN	
	High-end jack plug with max. cable pickup 8 mm/black:		
	2-pin male	TM2PBJ	
	3-pin male	TS3PBJ	
	gold-plated: 2-pin male	TM2PBJ-AU	



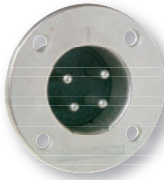
Amphenol ▶ Audio ▶ EP-PLUG CONNECTORS

EP-plug connectors for audio, industrial, and high performance applications. This **Amphenol** series includes a very popular plug connector system with a robust zinc-casting that is also used in speaker chassis and cables.

The cable clamp is designed for cables measuring 9 - 16 mm. Available in a 3-, 4-, 5-, 6-, and 8-pin version.

EP-cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	tin-plated: 3-pin male	EP-3-12	upon request
	4-pin male	EP-4-12	upon request
	5-pin male	EP-5-12	upon request
	6-pin male	EP-6-12	upon request
	8-pin male	EP-8-12	upon request

EP-cable socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	tin-plated: 3-pin female	EP-3-11P	upon request
	4-pin female	EP-4-11P	upon request
	5-pin female	EP-5-11P	upon request
	6-pin female	EP-6-11P	upon request
	8-pin female	EP-8-11P	upon request

EP-mount. plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	tin-plated: 3-pin male	EP-3-14	upon request
	4-pin male	EP-4-14	upon request
	5-pin male	EP-5-14	upon request
	6-pin male	EP-6-14	upon request
	8-pin male	EP-8-14	upon request

|| SYS BOXX ||

EP-mount. socket	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	tin-plated: 3-pin female	EP-3-13P	upon request
	4-pin female	EP-4-13P	upon request
	5-pin female	EP-5-13P	upon request
	6-pin female	EP-6-13P	upon request
	8-pin female	EP-8-13P	upon request

|| SYS BOXX ||

HICON® CONNECTORS

HICON is a company with production facilities in Germany, many European countries, and Asia (Japan and Taiwan).

The **HICON** company is pro-innovation and willing to seek special solutions for complex technical problems in media technology that other companies have not been able to come up with. The fact that these products are a bit more expensive should be clear to all of those who have tried to build a high quality adapter themselves. But **HICON** also offers a large selection of high quality plug connectors at very reasonable prices. It definitely pays off to compare prices and quality! **HICON** connectors are known and valued for high plug cycles and easy handling.



www.hicon-connectors.com



A high quality product can often be recognized by the facts that knock-offs turn up only a few months after they have been introduced to the market. The following example illustrates a few differences between a genuine **HICON** and low quality products: Before you invest in an RCA-plug connector you should be sure that you are purchasing brand name quality. Low quality connectors often have a high transmission resistance, thus voiding the advantages of a good audio cable.

This is what you should look for:

- **Proper gold-plating** or coating (cheap connectors are only painted!)
- A **solid pin** without interferences created by rivets, embossing, etc.
- **Low transmission resistance**

High quality **HICON** connectors have a **patented pressing clip** for best possible contact. Unscrew the housing lightly, push the plug into the socket and return it to the back. The plug is seated so tightly that it can only be pulled by unscrewing the plug housing. This function makes the series suitable for medical-technical applications or in language laboratories, etc.

SYS BOXX

Products identified by the **SYSBOXX**-Logo are suitable for our modular **SYSBOXX** (see "Modular Systems").

The new **HICON Polo shirts** have a modern, sleek cut. Made in Europe in compliance with Öko-Tex Standard 100.

Material: 100 % cotton piqué

Color: Black/orange

Size: M, L, XL, or XXL (please state)

If not stated otherwise we deliver it in XL.

Size	Width	Length
L	53 cm	70 cm
XL	55 cm	72 cm

ORDER-NO:
HICON-SHIRT+SIZE



HiCon ▶ Audio ▶ **XLR STECKVERBINDER**FOR OTHER SUPPLIERS REFER TO THE
OVERVIEW AT BEGINNING OF THIS CHAPTER**HICON**
CONNECTORScommonly
known strain
relief systemsHICON
strain relief

The plug connectors made by **HICON** are very popular in the audio and industrial sector. Customers love the simple design, the high quality, and the reasonable price. It was only a matter of time until, upon popular demand, a decision was made to manufacture a higher quality XLR-connector.

XLR-connectors **HI-XCM3** and **HI-XCF3**, designed in Germany, are very robust and of excellent workmanship. They have a dependable clamping strain relief with 6 clamping jaws and are very easy to solder. The strain relief with 6 jaws offers a number of advantages when compared to other systems:

The strain relief force is almost twice that of most common systems, preventing the cable from damages! The force of the clamping jaws is evenly distributed across a large surface even on larger cable diameters, not as is often experienced with other products where the soft PVC on the microphone cable is squeezed out to the side. Due to the high quality of **HICON** XC-Series the manufacturer grants you a **5 Year Warranty** on these plug connectors. For color coding, refer to the next pages.



Cable plug	Contacts	ORDER-NO. Black
	twisted/plastic cap:	
	3-pin male, nickel-plated	HI-XCM3NP-BLK
	3-pin male, gold-plated	HI-XCM3GP-BLK
	gedreht/metal cap:	
	3-pin male, nickel-plated	HI-XCM3N-BLK
	5-pin male, nickel-plated	HI-XCM5N-BLK
	3-pin male, gold-plated	HI-XCM3G-BLK
	5-pin male, gold-plated	HI-XCM5G-BLK

Coding ring for HiCon-XLR

ORDER-NO. Color

HI-XC-RT	red
HI-XC-OR	orange
HI-XC-GE	yellow
HI-XC-GN	green
HI-XC-BL	blue
HI-XC-SW	black
HI-XC-TR	transparent

NEW!



Mounting plug	Contacts	ORDER-NO. Black
	[SYS BOXX]	
	Universal D-flange, metal:	
	3-pin male, nickel-plated	HI-XEM3N-BLK
	5-pin male, nickel-plated	HI-XEM5N-BLK
	3-pin male, gold-plated	HI-XEM3G-BLK
	5-pin male, gold-plated	HI-XEM5G-BLK
	Universal D-flange, M3-threading, metal:	
	3-pin male, nickel-plated	HI-XEM3N-BLK-M3
	Universal D-flange, plastic:	
	3-pin male, nickel-plated	HI-XEM3NP-BLK

**[SYS BOXX]**Design A with gold-plated soldered contacts,
housing plastic:3-pin male, gold-plated **HI-XAM3GP-BLK**

Cable socket	Contacts	ORDER-NO. Black
	twisted/plastic cap:	
	3-pin female, nickel-plated	HI-XCF3NP-BLK
	3-pin female, gold-plated	HI-XCF3GP-BLK
	gedreht/metal cap:	
	3-pin female, nickel-plated	HI-XCF3N-BLK
	5-pin female, nickel-plated	HI-XCF5N-BLK
	3-pin female, gold-plated	HI-XCF3G-BLK
	5-pin female, gold-plated	HI-XCF5G-BLK

Numbered rings at half width for HICON XLR – set of 10

ORDER-NO. Color

HI-XC-09-WS	white	one ring each from 0 to 9
HI-XC-00-WS	white	10 x number "0"
HI-XC-10-WS	white	10 x number "1"
HI-XC-20-WS	white	10 x number "2"
HI-XC-30-WS	white	10 x number "3"
HI-XC-40-WS	white	10 x number "4"
HI-XC-09-RT	red	one ring each from 0 to 9
HI-XC-05-RT	red	5 x number "0", 5 x number "1"



Mounting socket	Contacts	ORDER-NO. Black
	[SYS BOXX]	
	Universal D-flange, metal:	
	3-pin female, nickel-plated	HI-XEF3N-BLK
	5-pin female, nickel-plated	HI-XEF5N-BLK
	3-pin female, gold-plated	HI-XEF3G-BLK
	5-pin female, gold-plated	HI-XEF5G-BLK
	Universal D-flange, M3-threading, metal:	
	3-pin female, nickel-plated	HI-XEF3N-BLK-M3
	Universal D-flange, plastic:	
	3-pin female, nickel-plated	HI-XEF3NP-BLK

**[SYS BOXX]**Design A with gold-plated soldered contacts,
housing plastic:3-pin female, gold-plated **HI-XAF3GP-BLK**

XLR/jack combi-mounting socket	Contacts	ORDER-NO. Black
	stereo	
	gold-plated, housing plastic:	
	3-pin female XLR	
	jack stereo (soldered)	HI-XJEF6S
	3-pin female XLR	
	jack stereo (print V)	HI-XJEF6V

HiCon ▶ Audio ▶ **MINI XLR-PLUG CONNECTORS****HICON**
CONNECTORS

Plug	Contacts	ORDER-NO. Nickel
	twisted, gold-plated:	
	3-pin male	HI-XMCM3
	5-pin male	HI-XMCM5
Mounting plug	Contacts	ORDER-NO. Nickel
	Gold-plated, fits D-flange HI-DET, threading outside: Ø 10.9 mm:	
	3-pin male	HI-XMEM3
	5-pin male	HI-XMEM5

SYS BOXX II

Socket	Contacts	ORDER-NO. Nickel
	gold-plated:	
	3-pin female	HI-XMCF3
	5-pin female	HI-XMCF5
Mounting socket	Contacts	ORDER-NO. Nickel
	gold-plated, hole dimension 17.1 x 11.4 mm (Ø 2.8 mm):	
	3-pin female	HI-XMEF3
	5-pin female	HI-XMEF5

HiCon ▶ Audio ▶ **JACK PLUG CONNECTORS****HICON**
CONNECTORS

Jack plugs have to satisfy various requirements:

While the guitarist prefers a heavy and robust connector, the studio technician needs a small, unobtrusive plug to fit into small spaces on tightly arranged patch bays.

A special favorite among guitarists is the black **HICON HI-J63M04** of American design or a speaker cable with a large diameter. It has a robust solid pin and a dependable clamping strain relief. Because of the low transmission resistance the **HICON HI-J63M03** is also favored for use with high end guitar cables.

The models described here are equipped with a clamping strain relief, which

counter-spreads when pressed (see figure) and resists the incredible strains exerted by BNC-crimping pliers (for RG58/59).

Many customers have been waiting impatiently for this product:

At last there is a stereo mini jack available for professional use.

After a short period of time the injection-molded housings on conventional jacks often caused problems resulting in breaks on the strain relief or caused the pins to fly out.

HICON grants you a **5 Year Warranty** on these plug connectors!

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	6.3 mm with a genuine gold-plated tip, max. cable pickup 7.0 mm:		
	2-pin male	HI-J63M01	
	3-pin male	HI-J63S01	

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	angled, 6.3 mm with a genuine gold-plated tip, max. cable pickup 7.0 mm:		
	2-pin male	HI-J63MA01	

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	6.3 mm torsion-proof solid pins, notched in alignment with the HICON-logo, max. cable pickup 7.2 mm:		
	2-pin male	HI-J63M03	
	2-pin male, gold tip	HI-J63M03-G	
	3-pin male	HI-J63S03	

Coding ring for HI-J63M03 and -S03

ORDER-NO.	Color
HI-JC-RT	red
HI-JC-OR	orange
HI-JC-GE	yellow
HI-JC-GN	green
HI-JC-BL	blue
HI-JC-SW	black



Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	NEW! 6.3 mm solid pin, with genuine gold-plated tip, max. cable pickup 7.0 mm:		
	2-pin male	HI-J63M04	
	3-pin male	HI-J63S04	

Cable plug	Contacts	ORDER-NO. Nickel	ORDER-NO. Black
	NEW! angled, 6.3 mm solid pin, with genuine gold-plated tip, max. cable pickup 7.0 mm:		
	2-pin male	HI-J63MA04	
	3-pin male	HI-J63SA04	

	3.5 mm with genuine gold-plated tip, max. cable pickup 8.5 mm:	
	3-pin male	HI-J35S01

	3.5 mm with genuine gold-plated pin, lockable: max. cable pickup 5.8 mm:	
	3-pin male	HI-J35S-SCREW-M
	3-pin female	HI-J35S-SCREW-F

HiCon ▶ Audio ▶ RCA/CINCH PLUG CONNECTORS

Before you buy an RCA-plug connectors you should be sure that you are purchasing brand name quality. Low quality connectors often have a high transmission resistance, thus voiding the advantages of a good audio cable.

This is what you should look for:

- Proper gold-plating or coating (cheap connectors are only painted!)
- A solid pin without interferences caused by rivets, embossing, etc.
- Low transmission resistance

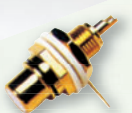
HICON cinch connectors **HI-CM09**, **HI-CM11**, and **HI-CM13** have a patented pressing clip, which ensures the highest possible contact. Unscrew the housing lightly, push the plug into the socket, and then turn it toward the back again.

Cable plug	Contacts	ORDER-NO.	ORDER-NO.
	crimp, genuine gold-plated solid pin for RG59-cable, SC-Focusline:		
	2-pin male	HI-CM01C	
	genuine gold-plated solid pin, cable pickup 6 - 8 mm:		
	neutral		red
	2-pin male	HI-CM07-NTL	HI-CM07-RED
	genuine gold-plated solid pin, max. cable pickup 6.2 mm:		
	black		red
	2-pin male	HI-CM05-BLK	HI-CM05-RED
	genuine gold-plated solid pin, cable pickup 6 - 8 mm:		
	black		red
	2-pin male	HI-CM13-BLK	HI-CM13-RED
	genuine gold-plated solid pin, cable pickup 6 - 8 mm, <i>Design subject to change:</i>		
	black		red
	2-pin male	HI-CM11-BLK	HI-CM11-RED
	genuine gold-plated solid pin, cable pickup 6 - 9 mm:		
	neutral		red
	2-pin male	HI-CM09-NTL	HI-CM09-RED
	NEW! genuine gold-plated solid pin, cable pickup 6 - 8 mm:		
	neutral		red
	2-pin male	HI-CM18-NTL	HI-CM18-RED

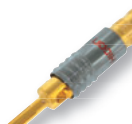
The plug is secured so tightly that it can only be loosened after the plug housing has been unscrewed. Because of the good quality of the **HICON** RCA-Series the manufacturer grants you a **5 Year Warranty** on these plug connectors!

Cable plug	Contacts	ORDER-NO.	ORDER-NO.
	genuine gold-plated solid pin, max. cable pickup 6.0 mm:		
	neutral		red
	2-pin male	HI-CM06-NTL	HI-CM06-RED
	blue		green
	2-pin male	HI-CM06-BLU	HI-CM06-GRN
	yellow		
	2-pin male	HI-CM06-YEL	
	soldered version, angled, genuine gold-plated solid pin, max. cable pickup 6.0 mm, suitable bend protection KS59-COLOR:		
	black		red
	2-pin male	HI-CMA01-BLK	HI-CMA01-RED

Cable socket	Contacts	ORDER-NO.	ORDER-NO.
	genuine gold-plated, cable pickup 6 - 8 mm:		
	blue		red
	2-pin female	HI-CF08-BLU	HI-CF08-RED

Mounting socket	Contacts	BEST.-NR.	BEST.-NR.
	Patch version, insulated ground, threading outside-Ø 12 mm, color coding – see next pages, fits D-flange HI-DET:		
	neutral		
	2-pin female	HI-CEFP01	
	Threading outside-Ø 8 mm, genuine gold plating, Teflon-insulated, soldered version:		
	black		red
	2-pin female	HI-CEF01-BLK	HI-CEF01-RED
	Soldered version threading outside-Ø 12 mm, color coding – see next pages, fits D-flange HI-DET:		
	neutral		
	2-pin female	HI-CEF02	

HiCon ▶ Audio ▶ **BANANA PLUGS and CABLE SHOES****HICON**
CONNECTORS**HICON** banana plugs and cable shoes have genuine gold plating and guarantee a low transmission resistance.

Banana plug	ORDER-NO.	ORDER-NO.
	genuine gold-plat. with screw clamp, max. cable pickup 4.2 mm:	
	black	red
	HI-BM01-BLK	HI-BM01-RED
	Genuine gold plating with universal clamp:	
	black	red
	HI-BM06-BLK	HI-BM06-RED
	Genuine gold plating with screw clamp, cable pickup max. 4.2 mm:	
	white	red
	HI-BM04-WHT	HI-BM04-RED
	Genuine gold plating with screw clamp, cable pickup max. 4.2 mm:	
	black	red
	HI-BM07-BLK	HI-BM07-RED
	Genuine gold plating, with spreading clip, max. cable pickup 6,7 mm, Design subject to change:	
	black	red
	HI-BM08-BLK	HI-BM08-RED

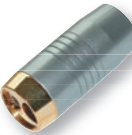
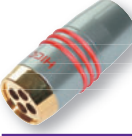
Banana-mounting socket	ORDER-NO.	ORDER-NO.
	Clamping connection fits D-flange HI-DET, ideal for ground insulation, color coding – see next pages:	
	yellow/green	
	HI-BEF-YEG	
	black	
	HI-BEF-BLK	

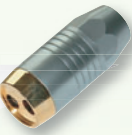
Cable shoe	ORDER-NO.	ORDER-NO.
	Cable shoe with genuine gold plating, with screw clamp, fork width 6.0 mm, cable pickup 1.5 mm ² – approx. 6 mm ² :	
	black	red
	HI-CT05-BLK	HI-CT05-RED
	Cable shoe with genuine gold plating, with screw clamp, fork width 7.5 mm, cable pickup approx. 10 mm ² – 20 mm ² :	
	black	red
	HI-CT12-BLK	HI-CT12-RED
	Cable shoe with genuine gold plating, 45° angled, fork width 8.2 mm, clamping-Ø max. 5.5 mm:	
	neutral	
	HI-CTA01	

HiCon ▶ Audio ▶ **CABLE CONNECTION PIECES****HICON**
CONNECTORS

The high quality cable connection pieces by **HICON** with a flash-gold-plated outlet sleeve will enhance any (HiFi-)cable. They are available in different versions for different cable diameters. The cable is simply fixed to the center by two inside

clamps. **HICON** connection pieces offer sufficient space for small switches directly on the cable.

Cable connection piece	ORDER-NO.	ORDER-NO.
	Cable pickup rear 10 – 15 mm, cable inlet front max. 2 x 7 mm:	
	neutral	
	HI-CS01	
	Cable pickup rear 9.5 – 15 mm, cable inlet front max. 4 x 4,2 mm:	
	black	red
	HI-CS03-BLK	HI-CS03-RED

Cable connection piece	ORDER-NO.	ORDER-NO.
	Cable pickup rear 7 – 12 mm, cable inlet front max. 2 x 5.9 mm:	
	neutral	
	HI-CS02	
	Cable pickup rear 7.5 – 12 mm, cable inlet front max. 2 x 6.2 mm:	
	black	red
	HI-CS04-BLK	HI-CS04-RED

HiCon ▶ Audio ▶ **SPIKES & SHOCK ABSORBERS****HICON**
CONNECTORS

Spikes and absorbers help to prevent undesirable vibrations from being transferred through furniture, flooring, or audio peripherals. They are especially important in the studio setting, because primarily the small near-field monitors, which unfortunately are often positioned directly on the 100.000 € mixer, cause all electronic equipment to vibrate and create a resonance.

You can position them either with the cone facing up or down, underneath speakers, furniture, or HiFi-components, such as turntables, CD-players, etc.

We supply three qualities: Version **HI-AS30** made of flash-gold-plated brass, also suitable for placement underneath HiFi-components because of the low design.

Versions **HI-AS39** and **HI-AS39B** are primarily used for high end systems and in the professional studio sector. We use a copper-tin alloy and a high quality powder

coating. The adapters adapt to uneven spots and will not damage your expensive wood or laminate flooring.

For more complex requirements we recommend absorber **HI-AS39B** with ball bearing rubber dampers. All absorbers are of high quality and are manufactured individually, available in brass or dark grey. **They are supplied in sets of 4.**

Spikes	ORDER-NO.
	Diameter 25 mm, height approx. 30 mm: Set of 4
	HI-AS30

Shock-absorber	ORDER-NO.	ORDER-NO.
	Diameter 39 mm, height 35 mm: Set of 4	
	brass	dark grey
	HI-AS39	HI-AS39-BLK
	With additional damper, diameter 39 mm, height 35 mm: Set of 4	
	brass	dark grey
	HI-AS39B	HI-AS39B-BLK

HiCon ▶ Audio/video ▶ **ADAPTERS**

Our customers have been waiting for a long time: **HICON** now supplies a series of high quality adapters with a metal finish. The new adapters do not only look robust, they are just that. The housing is made of mat brushed steel, the insulation is of temperature-resistant Delrim, and the pin insulation is plastic, which is very resistant to blows and guarantees high plug cycles and a long life.

These connectors are only a little more expensive than common plastic adapters. Because of their high quality **HICON** grants you a 5 Year Warranty! We supply most **HICON** adapters in an attractive blister package.. (The BASIC version is a reasonably priced plastic version, but it is excluded from the **HICON** warranty.)

HICON
CONNECTORS


ORDER-NO.	Connection audio	Assignm.
1 HI-X3X3-MM	XLR male > XLR male	3-pin
2 HI-X3X3-FM	XLR female > XLR male	3-pin
3 HI-X3X3-FF	XLR female > XLR female	3-pin
4 HI-X3MX3-FM	XLR female > mini XLR male	3-pin
5 HI-X3MX3-MM	XLR male > mini XLR male	3-pin
6 HI-JM3CI-MF	Mini jack male > RCA cinch female	2-pin
7 HI-JS3JS6-MF	Mini jack male > jack female stereo	3-pin
8 CIKL-FM	BASIC RCA cinch female > jack male	2-pin
9 HI-JM6CI-MF	Jack male > RCA cinch female	2-pin
10 HI-JS6JS3-MF	Jack male > mini jack female stereo	3-pin
11 CIKL-MF	BASIC RCA cinch male > jack female	2-pin
12 HI-CIJM3-MF	RCA cinch male > mini jack female	2-pin
13 HI-CICI-FF	RCA cinch female > RCA cinch female	2-pin

ORDER-NO.	Connection video	Assignm.
14 HI-SCSVCI	Scart male > 1 S-VHS + 3 cinch female with input/output switch	21-pin
15 HI-SVSV-FF	S-VHS female > S-VHS female	4-pin
16 HI-SVCI-MF	S-VHS m > RCA cinch f / incl. converter	2-pin
17 HI-SVBN-MF	S-VHS m > BNC 75 Ohm f/ incl. converter	2-pin
18 HI-BNBN-FF	BNC female > BNC female	2-pin
19 HI-BNBN-MF90	BNC male > BNC female 90°	2-pin
20 HI-BNAN-FM	BNC female > antenna male	2-pin
21 HI-BNCI-FF	BNC female > RCA cinch female	2-pin
22 HI-BNCI-FM	BNC female > RCA cinch male	2-pin
23 HI-BNCI-MF	BNC male > RCA cinch female	2-pin

Other configurations upon request.

HiCon ▶ Audio/video ▶ **UNIVERSAL D-FLANGES + COLOR CODING**

All **HICON** products identified by the **SYSBOXX**-logo can be installed in this recessed D-flange and are suitable for our modular systembox **SYSBOXX** (see Chapter "Multicore Systems"). The hole diameter of 12.5 mm ensured proper pickup for all audio, video, LWL, and DATA-mounting connectors with M12x1 outer

threading. We recommend the use of our installation tool WSW16 – see "Accessories/Tools". Color coding for individual identification is available in 11 different colors. **HICON** also offers a reasonably priced D-blank cover imprinted with the **SOMMER CABLE**-logo.

HICON
CONNECTORS

D-Flange	ORDER-NO.
	HI-DET

	HI-DAS
--	---------------

Housing	ORDER-NO.
	HI-HOUSING

Color coding ring for HI-DET

ORDER-NO.	Color
HI-DR-RT	red
HI-DR-OR	orange
HI-DR-GE	yellow
HI-DR-BR	brown
HI-DR-BL	blue
HI-DR-GN	green
HI-DR-WS	white
HI-DR-GR	grey
HI-DR-MN	mint green
HI-DR-PN	pink
HI-DR-VI	violet



Example for assembly with HI-DET and color coding rings – (top left to bottom right):
 1 x Cinch F-BAS (yellow)
 3 x BNC (RGB-color coding)
 1 x LWL-ST-connector (orange)
 S-VHS Hosiden (neutral)
 2 x Cinch audio (white, red)



HiCon ▶ Video ▶ **ANTENNA, PL-PLUG CONNECTORS****HICON**
CONNECTORS

For analog TV image transmission **HICON** has a good standard quality all the way up to high quality high end connectors available, with genuine gold-plated contacts and Teflon-insulation. They guarantee low transmission resistances.

Cable plug	Contacts	ORDER-NO. Neutral	ORDER-NO. Red
	Screw/clamping version antenna cable plug, metal: 2-pin male	HI-ANT-M	
	Genuine gold-plating, soldered version, Teflon-insulated antenna cable plug, metal: 2-pin male	HI-ANCM01-WHT	HI-ANCM01-RED
	Teflon-insulated PL-antenna plug, metal: 2-pin male	HI-PL08	

Cable plug	Contacts	ORDER-NO. Neutral	ORDER-NO. Red
	Screw/clamping version, antenna cable socket, metal: 2-pin female	HI-ANT-F	
	Genuine gold plating, soldered version, Teflon-insulated antenna cable socket, metal: 2-pin female	HI-ANCF01-WHT	HI-ANCF01-RED
	Mounting socket fits flange HI-DET Patch version M12x1, metal: 2-pin female	HI-ANFP01	

[SYS BOXX]

HiCon ▶ Video ▶ **F-PLUG CONNECTORS****HICON**
CONNECTORS

For digital image transmission **HICON** has A good standard quality all the way up to high quality high end connectors available, with genuine gold-plated contacts and Teflon-insulation. They guarantee low transmission resistances.

Cable plug	Contacts	ORDER-NO.	suitable for
	Screw version, BASIC F-cable plug, metal: 2-pin male	FM0.7/2.9	ASTRAL 0.7/2.9
	2-pin male	FM0.75/3.4	ASTRAL 0.75/3.4
	2-pin male	FM1.0/4.5	ASTRAL 1.0/4.5
	Genuine gold plating, clamping/screw version F-cable plug, metal: 2-pin male	HI-FM07	
	Genuine gold plating, Teflon-insulated, soldered version F-cable plug, metal: 2-pin male	HI-FM08	

Mounting socket	Contacts	ORDER-NO.
	F-extension adapter: 2-pin female	HI-FEFP
Bend protection sleeve		ORDER-NO. suitable for
	Bend protection sleeve, black:	all basic FM-plugs
		F-KS-SW

HiCon ▶ Video ▶ **SCART PLUGS****HICON**
CONNECTORS

The **HICON** scart plug has genuine gold-plated contacts and a robust aluminum housing. The bend protection fits all cable diameters larger than 7 mm.

Cable plug	Contacts	ORDER-NO.
	Genuine gold plating, metal housing: 21-pin male	HI-SCART-M



HiCon ▶ Video ▶ **HOSIDEN CONNECTORS, S-VHS****HICON**
CONNECTORS

The 4-pin Hosiden connector, known as S-VHS, is manufactured by **HICON** from a good standard quality all the way up to a high end connector with genuine gold-plated contacts and Teflon-insulation. It ensures very low transmission resistances. The 6-pin and 8-pin Hosiden connectors are available as patch mounting sockets.

Cable plug	Contacts	ORDER-NO.
	Soldered version, BASIC, cable plug S-VHS, plastic: 4-pin male	S-VHS-K
	Genuine gold plating, soldered version, Teflon-insulated, cable plug S-VHS, metal: 4-pin male	HI-SVCM01
	Genuine gold plating, soldered version, Teflon-insulated, cable plug S-VHS, metal: 4-pin male	HI-SVCM02

The 6-pin version is used for the connection of computer keyboard and mouse, the 8-pin type for RS485-interfaces, TFT's, and camcorder.

Cable socket	Contacts	ORDER-NO.
	Soldered version, mounting socket S-VHS, M13.5x1, plastic: 4-pin female	HI-SVEF
	Genuine gold plating, soldered version, Teflon-insulated, S-VHS cable socket, metal: 4-pin female	HI-SVCF01
	Patch version, fits flange HI-DET, mounting socket S-VHS, M12x1, metal: 4-pin female	HI-SVEFP01
	Patch version, fits flange HI-DET, mounting socket Hosiden 6, M12x1, metal: 6-pin female	HI-H6EFP01
	Mounting socket Hosiden 8, M12x1, metal: 8-pin female	HI-H8EFP01

HiCon ▶ Video ▶ **BNC-PLUG CONNECTORS****HICON**
CONNECTORS

BNC-connectors are some of the most popular coaxial connectors and were created back at the end of the forties. The name **BNC** stands for "Bayonet - Neill Concelman", the inventor of the bayonet closure. BNC-connectors are available with an impedance of **50 Ω** and **75 Ω**, whereas the **50 Ω** connector operates at a frequency above 4 GHz, the **75 Ω** connector at a frequency lower than 1 GHz. BNC-connectors are mostly used in broadcasting, video, medical, and computer technologies.

BNC-connectors are not quite as easy to use as one might imagine. The first problem is that the BNC-connector and the RG/VIDEO-cable do not comply with the same norm. And although some manufacturers were able to agree to produce plug connectors that would, with a 90 % certainty, fit standard types 0.6/3.7, 0.6/2.8, and 0.3/1.8, even tiny differences in the diameter of the jacket material or the design of the strain relief on the plug will cause total chaos. Even slight rattling may cause the image to be distorted and the cable will jump out of the plug if it is pulled even slightly.

But the manufacturers are not to be blamed for this, because import cables from the USA and Asian countries make sure that cables keep turning up for which – at least in Europa – no suitable plugs can be found.

And if you at last find the right plug, the right cable...do you have the right pliers at hand?

Without crimping pliers, but you can manufacture the compression version with a soldering gun – ideal for outside installation (watertight in compliance with IP67).

A special service by SOMMER CABLE:

Observe the technical data for our articles, because there you will find the information about suitable components! We offer a tool set to ensure that you are well equipped, including all the necessary pliers, all for a reasonable price.

What does the designation 0.6/3.7 mean?

It sound complicated, but it is very easy to understand.

The number "3.7" is the diameter of the wire insulation on the cable. The larger the diameter, the longer the transmission distance without greater losses.

The "0.6" is the diameter of the copper wire. But be careful! Diameter is not the same as wire diameter! If you work with a flexible cable you have to make sure that the diameter of the individual copper litz matches diameter "0.6 mm"!

(Formula: $\varnothing = \sqrt{(4 \times \text{diameter}) : \pi}$)

Unfortunately the outer cable diameter has never been standardized in Europe! So, now what?

The solution to the plug problem?

There is only one thing to do: Testing, testing, testing. And to do this we will be glad to supply a small number of cable samples free of charge. Once you have found the cable suitable for the connector, you will have it a lot easier in the future.

Products identified by the SYSBOXX-logo are suitable for our modular SYSBOXX (see "Multicore Systems").

HiCon ▶ Video ▶ **BNC59****HICON**
CONNECTORS

Cable plug	Contacts	ORDER-NO.
	Genuine gold plating, soldered version, Teflon-insulated, BNC59-cable plug, metal: 2-pin male	HI-BNC59MG

Cable socket	Contacts	ORDER-NO.
	Genuine gold plating, soldered version, Teflon-insulated, BNC59-cable socket, metal: 2-pin female	HI-BNC59FG

HiCon ▶ Video ▶ BNC

HICON[®]
CONNECTORS**HICON BNC-coaxial crimp plug connector BASIC**

The **HICON** BNC-crimp plug connector with bayonet closure has excellent transmission resistance and complies with electrical and mechanical guidelines IEC 169-8 and MIL-C - 39012.

Surge impedance:

BNC58, BNC174, BNC213: 50 Ω (frequency range up to 4 GHz)

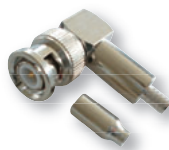
BNC - all remaining: 75 Ω (frequency range up to 1 GHz)

Inner conductor material: Cu1Ni2 Au0.8
Housing material: Cu2Ni5
Insulating material: PTFE
Temperature range: -65 °C...+165 °C (accord. IEC 68-1)
Insulation resistance: 5 GΩ
Volume resistance: Inner and outer conductor each < 2 mΩ

BNC cable plug crimp **for cable (suitable tool)** **ORDER-NO.**



Cinema-SV, Transit Mini Flex, Transit Mini, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax, 75 Ω (HT-CRIMPSET) **BNC0.3/1.8**



Cinema-SV, Transit Mini Flex, Transit Mini, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax, 75 Ω (HT-CRIMPSET) **BNC0.3/1.8M90**



SC-Slimline, Transit, Transit Kombi, Transit MC 201, Transit MC 523, Transit MC 343+, Transit MC 8232, 75 Ω (HT-CRIMPSET) **BNC0.6/2.8**



SC-Focusline, Transit MC 120, Transit MC 123, Intercom Maxi, Observer 1, Observer 2 75 Ω (HT-CRIMPSET) **BNC0.6/3.7**



Transit Mobile 75 Ω (HT-CRIMPSET) **BNC0.66/3.2**



RG6/U 75 Ω (HT-CRIMPSET) **BNC6**



RG6/U 75 Ω (HT-CRIMPSET) **BNC6M90**



NEW!
RG58C/U 50 Ω (HT-CRIMPSET) **BNC58KOM**



NEW!
RG59B/U, Altera Split, Focusline, Transit MC 120, Transit MC 123, Intercom Maxi, Observer 75 Ω (HT-CRIMPSET) **BNC59KOM**

BNC socket crimp **for cable (suitable tool)** **ORDER-NO.**

**Cable socket**

Cinema-SV, Transit Mini Flex, Transit Mini, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax, 75 Ω (HT-CRIMPSET) **BNC0.3/1.8FK**

**Mounting socket**

Cinema-SV, Transit Mini Flex, Transit Mini, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax, 75 Ω (HT-CRIMPSET) **BNC0.3/1.8FEO**

**Cable socket**

SC-Slimline, Transit, Transit Kombi, Transit MC 201, Transit MC 523, Transit MC 343+, Transit MC 8232, 75 Ω (HT-CRIMPSET) **BNC0.6/2.8FK**

**Mounting socket**

SC-Slimline, Transit, Transit Kombi, Transit MC 201, Transit MC 523, Transit MC 343+, Transit MC 8232, 75 Ω (HT-CRIMPSET) **BNC0.6/2.8FEM**

D-flange **ORDER-NO.**



Universal D-flange, recessed, with 12.5 mm pickup, fits all HICON SYSBOXX-products:

[SYS BOXX] **HI-DET**

For installation of BNC-connectors into the recessed D-flanges HI-DET we recommend the use of our assembly tool WSW16:

Assembly tool **ORDER-NO.**



WSW16

Color coding rings for HI-DET

ORDER-NO. **Color**

HI-DR-RT ■ red
HI-DR-OR ■ orange
HI-DR-GE ■ yellow
HI-DR-BR ■ brown
HI-DR-BL ■ blue
HI-DR-GN ■ green
HI-DR-WS ■ white
HI-DR-GR ■ grey
HI-DR-MN ■ mint green
HI-DR-PN ■ pink
HI-DR-VI ■ violet



[SYS BOXX]

BNC-cabel plug crimp	for cable (suitable tool)	ORDER-NO.
	RG58 C/U 50 Ω (HT-CRIMPSET)	BNC58
	RG58 C/U 50 Ω (HT-CRIMPSET)	BNC58M90
	RG59 B/U, Altera Split 75 Ω (HT-CRIMPSET)	BNC59
	RG59 B/U, Altera Split 75 Ω (HT-CRIMPSET)	BNC59M90
	RG 174/U, 196A/U, 316/U 50 Ω (HT-CRIMPSET)	BNC174
	RG 174/U, 188A/U, 196A/U, 316/U 50 Ω (HT-CRIMPSET)	BNC174M90
	RG8U, RG213/U 50 Ω (HT-CRIMPSET)	BNC213

BNC-mounting socket patch	for cable	ORDER-NO.
	All RG-patch cables, ground insulated, fits flange HI-DET	BNC-FP
	HDTV version NEW! Suitable color coding BNC-FC... see introduction BNC	BNC-FP-HDTV
	All RG-patch cables, without ground insulated, fits flange HI-DET	BNC-FPO
	HDTV version NEW! Suitable color coding BNC-FC... see introduction BNC	BNC-FPO-HDTV

BNC-cover	ORDER-NO.
	BNC-VK all BNC-sockets

BNC socket crimp	for cable (suitable tool)	ORDER-NO.
	Mounting socket RG58C/U 50 Ω Masse isoliert, passt in Flansch HI-DET (HT-CRIMPSET) Suitable color coding BNC-FC... see next page	BNC58FEM
	Cable socket RG58 C/U 50 Ω (HT-CRIMPSET)	BNC58FK
	Mounting socket RG59 B/U 75 Ω Masse isoliert, passt in Flansch HI-DET (HT-CRIMPSET) Suitable color coding BNC-FC... see next page	BNC59FEM
	Mounting socket RG59 B/U 75 Ω ohne Masseisolation, passt in Flansch HI-DET (HT-CRIMPSET) Suitable color coding BNC-FC... see next page	BNC59FEO
	Cable socket RG59 B/U 75 Ω (HT-CRIMPSET)	BNC59FK
	Cable socket RG174/U 50 Ω (HT-CRIMPSET)	BNC174FK



Bend protection sleeve

Bend protection sleeves for all BNC-plugs (except BNC213 and BNC1.0/6.6) are available in colors red (RT), green (GN), blue (BL), black (SW), white (WS), orange (OR), and violet (VI). Please order separately stating the color. Other colors upon request. **Order example: KS58-RT**

for BNC	ORDER-NO.
BNC58 and BNC0.6/2.8	KS58-COLOR
BNC59, BNC0.6/3.7, BNC0.8/3.8, BNC0.66/3.2	KS59-COLOR
BNC174, BNC0.3/1.8 and BNC0.4/2.5	KS174-COLOR (not available in orange and violet)

HT-CRIMPING SET

Coax-crimping plier tool set in a case, including the following parts:

1 x Crimping pliers for replaceable jaws
4 x Jaw set for BNC-crimping pliers:

1. RG6, RG59, RG62, RG140, RG210
2. RG59, RG62, RG8x, RG140, RG210, RG303, RG400
3. RG122, RG174, RG179, RG180, RG187, RG188, RG195
4. RG8, RG9, RG11, RG87a, RG149, RG165, RG213, RG214, RG216, RG225, RG393, RG174, RG187, RG188, RG316

1 x Stripping tool

1 x Case for pliers & jaw sets



Crimping insert DIE-R-BNC..



ORDER-NO.	DESCRIPTION	HEX Crimp [mm]	
		Shield	Jacket
HT-CRIMPSET	Crimping set		
HT-106H	Pliers for BNC1.0/6.6-T (not shown)		
DIE-R-BNC-PDC	Crimping insert for Neutrik BNC*	6.47	4.53
DIE-R-BNC-PG	Crimping insert for Neutrik BNC*	6.47	5.00
DIE-R-BNC-PJ	Crimping insert for Neutrik BNC*	6.47	5.41
DIE-R-BNC-PS	Crimping insert for Neutrik BNC*	6.47	7.01
DIE-R-BNC-PU	Crimping insert for Neutrik BNC*	6.47	7.36
DIE-R-BNC-PY	Crimping insert for Neutrik BNC*	6.47	8.23
DIE-R-BNC-Z	Crimping insert for Neutrik BNC*	9.73	9.73

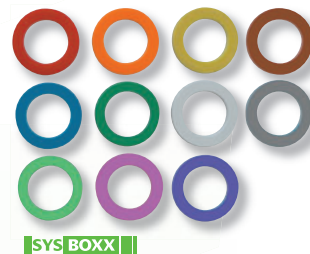
* Fits HT-crimp set

All **HICON** products identified by the **SYSBOXX**-logo can be used with this recessed flange and fit our modular system box SYSBOXX (see Chapter "Multicore Systems"). The hole diameter of 12.5 mm allows pickup for all audio, video, LWL, and DATA-mounting connectors with outside threading M12x1. Color coding in 11 different colors is available for individual identification. **HICON** also offers a reasonably priced D-cover imprinted with the **SOMMER CABLE**-logo.

Color sleeve for HI-DET D-flange

ORDER-NO. Color

HI-DR-RT	red
HI-DR-OR	orange
HI-DR-GE	yellow
HI-DR-BR	brown
HI-DR-BL	blue
HI-DR-GN	green
HI-DR-WS	white
HI-DR-GR	grey
HI-DR-MN	mint green
HI-DR-PN	pink
HI-DR-VI	violet



[SYS BOXX]

D-flange

ORDER-NO.



Universal D-flange, recessed, with 12.5 mm pickup, suitable for all HICON SYSBOXX-products:

[SYS BOXX]

HI-DET

ORDER-NO.	Color	Description
BNC-FC-RT	red	Color coding for BNC-mounting sockets
BNC-FC-OR	orange	
BNC-FC-GE	yellow	
BNC-FC-GN	green	
BNC-FC-BL	blue	
BNC-FC-GR	grey	
BNC-FC-WS	white	



Telegärtner

Made in Germany

... is a German company with tradition with seven branch offices around the world. Originally it became known with a huge selection of high quality 50 Ω connectors. Up to today this attractive and professionally structured company is probably the market leader in SMA/SMB and 50 Ω technologies, whereas their 75 Ω connectors are notable as well.

SOMMER CABLE is an official distribution partner for **TELEGÄRTNER** GmbH. And that is why we can offer you the complete product assortment as well as good service. Of course it is also advantageous that **TELEGÄRTNER** GmbH is only about an hour away.

BNC-cable plug crimp	for cables (suitable tool)	ORDER-NO.	Pack.
	Cinema-SV, Transit Mini Flex, Transit Mini, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax, 75 Ω (HT-CRIMPSET)	BNC0.3/1.8-T	5 pcs.
	Transit MC 113, Transit MC 343, 75 Ω (HT-CRIMPSET)	BNC0.4/2.5-T	5 pcs.
	SC-Slimline M, Transit, Transit Kombi, Transit MC 201, Transit MC 523, Transit MC 343+, Transit MC 8232, 75 Ω (HT-CRIMPSET)	BNC0.6/2.8-T	5 pcs.

BNC socket	for cables (suitable tool)	ORDER-NO.	Pack.
	Cable plug crimp Cinema-SV, Transit Mini Flex, Transit Mini, Transit MC 72491, SC-Kinetic, Intercom Mini, RG179A/U, SC-Monomax, 75 Ω (HT-CRIMPSET)	BNC0.3/1.8FK-T	5 pcs.
	Cable socket crimp Transit MC 113, Transit MC 343, 75 Ω (HT-CRIMPSET)	BNC0.4/2.5FK-T	1 pc.

BNC-cable plug crimp	for cables (suitable tool)	ORDER-NO.	Pack.
	SC-RGBS 0.6/2.8, SC-Slimline, Transit, Transit MC 523/343+/8232, Transit Kombi, 75 Ω (HT-CRIMPSET)	BNC0.6/2.8HDTV-T	5 pcs.
	SC-Vector, 75 Ω (HT-CRIMPSET)	BNC0.8/3.8HDTV-T	5 pcs.
	SC-Vector Plus 0.8/4.9	BNC0.8/4.9-T	5 pcs.
	SC-Visionline 75 Ω (HT-106H)	BNC1.0/6.6-T	5 pcs.
	SC-Vector Plus 1.2/5.0, SC-Astral LLX	BNC1.2/5.0-T	5 pcs.

BNC-cable plug crimp	for cables (suitable tool)	ORDER-NO.	Pack.
	RG11A/U 75 Ω (HT-CRIMPSET)	BNC11-T	5 pcs.
	RG216U (HT-CRIMPSET)	BNC216-T	1 pc.
	RG223/U (HT-CRIMPSET)	BNC223-T	5 pcs.
	SC-RGBS 1.0/4.8 (HT-CRIMPSET)	BNC1.0/4.6HDTV-T	
	SC-RGBS 1.6/7.0 (HT-CRIMPSET)	BNC1.6/7.3HDTV-T	

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

> TNC

TNC-connectors are often used to transmit frequencies of more than 11 GHz. They are resistant to vibrations and suitable for signal, data, and video transmission. In stretched condition (stretching image between plug and socket) they comply with Protection Class IP68.

Almost all commonly used **TNC**-connectors are available for delivery within a few days.

> SMA

These connectors are the most dependable connections available for mobile radio, W-LAN, satellite technology, and measuring technologies. **SMA**-connectors have a specific surge resistance of **50 Ω** and operate at a frequency range of 18 GHz.

ORDER-NO.	SMA-connectors for RG316/50 Ω	Pack.
1 SMAF316-AU	SMA-crimp cable socket, genuine gold plating, Teflon insulation	1 pc.
2 SMAFR316-AU	SMA-crimp cable socket, genuine gold plating, Teflon ins., reverse polarization	1 pc.
3 SMAM316-AU	SMA-crimp cable plug, genuine gold plating, Teflon insulation	1 pc.
4 SMAMR316-AU	SMA-crimp cable plug, genuine gold pl., Teflon insulation, reverse polarization	1 pc.
SMBF174	SMB-crimp cable socket for RG174/U (not shown)	1 pc.
SMBM174	SMB-crimp cable socket for RG174/U (not shown)	1 pc.
ORDER-NO.	TNC-connectors for RG316/50 Ω	Pack.
TNCFR316	TNC-crimp cable plug, Teflon-insulat. (not shown)	5 pcs.
5 TNCMR316	TNC-crimp cable plug, Teflon-insulat.	5 pcs.
ORDER-NO.	MCXM-connectors for RG316/50 Ω	Pack.
6 MCXM316-AU	MCXM-crimp cable plug, genuine gold plating, Teflon insulation	1 ps.
7 MCXMA316-AU	MCXM-crimp cable plug, genuine gold plating, Teflon insulation	1 ps.
8 MMCXM316-AU	MMCXM-crimp cable plug, genuine gold plating, Teflon insulation	1 pc.
9 MMCXMA316-AU	MMCXM-crimp cable plug, genuine gold plating, Teflon insulation	1 pc.
ORDER-NO.	N-connectors for RG316/50 Ω	Pack.
10 NF316	N-crimp cable socket, Teflon insulation	1 pc.
11 NM316	N-crimp cable plug, Teflon insulation	1 pc.

> SMB/SMC/SMS

SMB-connectors have a snapping closure, ensuring fast and safe connection. They are suitable for frequencies of up to 4 GHz.

We have the most commonly used **SMA**- and **SMB**-connectors in stock and can also offer them premade.

SMC-connectors have a vibration-resistant screw connection and can be used for frequencies of up to 10 GHz.

SMS-connectors and insertion connectors require very little stretching and pulling force. They can be used for frequencies of up to 4 GHz. **SMS**- and **SMC**-connectors are available upon request.



Telegärtner



DAMAR & HAGEN



The connectors manufactured by this German company are the so-called "Rolls Royce" among coaxial plug connectors.

The best triax-connectors in the world can probably be found at **DAMAR & HAGEN**, indestructible and very simple to install.

The **DAMAR & HAGEN** catalogue is intended for those with a complex technical

understanding. We have simplified everything by using photographs.

We are also an official distribution partner for **DAMAR & HAGEN** and are proud to say that there are hardly any broadcasting or TV-stations that we have not equipped with premade cables by **SOMMER CABLES** and systems by **DAMAR & HAGEN**.

DAMAR & HAGEN

Damar & Hagen ▶ Video ▶ BNC

DAMAR & HAGEN was founded in 1922 and all TV- and broadcast studios consider them to be the best video and triax-plug connectors available on the market. The company is the most important suppliers for broadcasting in Europe when it comes to video technologies.

All audio & video plug connectors are technically refined down to the smallest detail, have proven themselves for years and are easy to handle. They are designed for extreme durability, high plug cycles, and perfect transmission of even the most critical signals.

The pin contacts are made of hard gold-plated brass, the socket contacts of hard gold-plated beryllium bronze and an alloy coating that is resistant to corrosion. The **DAMAR & HAGEN** plug connector series BNC/DS is suitable for serial

BNC 50 Ω

The high frequency plug connector 50 Ω technology for flexible coax-cables with an outer diameter of 2 - 11 mm can be used in systems and units for broadcasting and measuring technology at frequency ranges of up to 4GHz.

These connectors with bayonet closure are small, light, and resistant to dampness.

digital video transmission (SDI), and the BNC/HD for HDTV-applications. They have repeatedly stood up to testing conducted by independent institutes that resulted in "reference values". These plug connectors are compatible with all common BNC-connectors available on the market.

SOMMER CABLE is an official distribution partner for **DAMAR & HAGEN** and we have almost all standard plug connectors in stock.

ELECTRICAL DATA:

Surge impedance:	50 Ω
Frequency range:	0 - 4 GHz
Reflexion factor:	< 0.11 (plug-socket plugged)
Contact connection/crimp:	Inner conductor < 2 mΩ Outer conductor < 0.25 mΩ
Insulating resistance:	> 10 ⁶ MΩ at 1000 V
Operating temp. range:	-60 °C...+125 °C

BNC-Cable plug	for cables (suitable tool)	ORDER-NO.
----------------	----------------------------	-----------



RG8
(HT-CRIMPSET)

1-2153-2200-1



RG58
(HT-CRIMPSET)

1-1010-2200-1



RG174
(HT-CRIMPSET)

1-1006-2200-1

BNC-Cable plug	for cables (suitable tool)	ORDER-NO.
----------------	----------------------------	-----------



RG213, RG214
(HT-CRIMPSET)

1-2153-2200-1



RG223
(HT-CRIMPSET)

1-5055-2200-1

BNC 75 Ω (HD) for HD-SDI/HDTV-applications

This BNC/HD-series stands for "high definition" and is used for digital serial video transmission. The gold plating on the inner and outer conductors improve the high frequency properties (e.g. for the "skin effect"). The use of a second spring washer improves the axial pressure on this connector series, free of vibration, and is especially recommended for use in transmission vehicles.

ELECTRICAL DATA

Surge impedance:	75 Ω (high definition)
Frequency range:	0 - 7.5 GHz or 1.5 Gbit
Reflexion factor:	< 0.10 ⁶ (plug-socket plugged)
Contact connection/crimp:	Inner conductor < 2 mΩ; Outer conductor < 0.15 mΩ
Insulating resistance:	> 10 ⁶ MΩ at 1000 V
Operating temp. range:	-60 °C...+125 °C

BNC-Cable plug	for cables (suitable tool)	ORDER-NO.
----------------	----------------------------	-----------



SC-Slimline, Transit, Transit Kombi, Transit MC 201, 523, 343, 343+,
Transit MC 8232, 75 Ω; BNC0.6/2.8 HD-SDI/HDTV
(HT-CRIMPSET)

1-6051-2100-1



SC-Focusline
BNC0.6/3.7 HD-SDI/HDTV
(HT-CRIMPSET)

1-6053-2100-1



SC-Vector Plus 1.2/5.0
BNC1.2/5.0 HD-SDI/HDTV
(upon request)

1-4575-2100-1

BNC-Cable plug	for cables (suitable tool)	ORDER-NO.
----------------	----------------------------	-----------



SC-Vector, 75 Ω
BNC0.8/3.7 HD-SDI/HDTV
(HT-CRIMPSET)

1-6052-2100-1



SC-Astral LLX
BNC1.13/5.0 HD-SDI/HDTV
(HT-CRIMPSET)

1-7040-2100



SC-Vector Plus 1.6/7.3, RG Classic 1.6/7.0
BNC1.6/7.3 HD-SDI/HDTV
(upon request)

1-7048-2100-1

BNC 75 Ω

The high frequency plug connector BNC 75 Ω for flexible coax-cables with an outer diameter of 3 - 11 mm can be used for various purposes at a frequency range of up to 4 GHz. *(only for foamed dielectricum!)

BNC-Cable plug	for cables (suitable tool)	ORDER-NO.
	BNC0.4/1.8 (HT-CRIMPSET)	1-4326-2100-1
	BNC0.4/2.5 (HT-CRIMPSET)	1-1186-2100-1
	SC-Slimline, Transit, Transit Kombi, Transit MC 201, 523, 343, 75 Ω BNC0.6/2.8 (HT-CRIMPSET)	1-5126-2100-1
	Transit Mobile, Transit MC 343+ BNC0.66/3.2 * (HT-CRIMPSET)	1-1189-2100-1
	BNC0.75/3.4 * (HT-CRIMPSET)	1-2457-2100-1
	SC-Visionline BNC1.0/6.6 (HT-CRIMPSET)	1-1195-2100-1

ELECTRICAL DATA

Surge impedance:	75 Ω
Frequency range:	0 - 4 GHz
Reflexion factor:	< 0.11 (plug-socket plugged)
Contact connection/crimp:	Inner conductor <2 mΩ Outer conductor <0.25 mΩ
Insulation resistance:	> 10 M Ω at 1000 V
Operating temp. range:	-60 °C...+125 °C

BNC-Cable plug	for cables (suitable tool)	ORDER-NO.
	RG6 (HT-CRIMPSET)	1-1194-2100-1
	RG11 (HT-CRIMPSET)	1-2242-2100-1
	RG59 (HT-CRIMPSET)	1-1190-2100-1
	RG179 (HT-CRIMPSET)	1-1184-2100-1
	RG216 (HT-CRIMPSET)	1-2242-2100-1

BNC-Tools	Description	ORDER-NO.
	BNC-terminating plug (with 75 Ω terminator +/- 0.1 % 1/3W)	1-2627-2120
	(with 75 Ω terminator +/- 1 % 1/3W)	1-1218-2120
	(for installation of a resistor)	1-1217-2120
	BNC-coupler for SDI/HDTV (high quality BNC-coupler)	1-7122-2150

BNC-DS	Description	ORDER-NO.
	Jumper plug DS 75 Ω (inner/outer conductor gold-plated; color coding upon request)	1-4246-1712
	DS/BNC-unit interface coupler 75 Ω 1-4248-2953 (Integrated terminator with HF/R = 75 Ω +/- 1 %; when plugged uninterrupted on DS-side)	1-4249-2953
	Insulating throughput for DS/BNC (2 required per plug; different color upon request)	2-1333-9200

Damar & Hagen ▶ Video ▶ **TRIAx****Triax-crimp plug connectors, professional version:**

The Damar & Hagen triax-plug connectors, suitable for our high quality triax-cables Polaris and Polaris Power, guarantee high operating safety and good assembly properties. These robust crimping plug connectors with a torsion-proof bayonet closure are especially suitable to connect TV-camera and for outdoor transmission in transmission vehicles.

They comply with DIN 40050, VDE 0110, 0470, and 0627. Cable bend protection is included. Protective caps and housing protection sleeves have to be ordered separately.

TRIAx male ORDER-NO.**Cable plug – crimp version****Triax 8**SC-Polaris 8, SC-Polaris Power 8 **1-3978-4700-1****Triax 11**SC-Polaris 11, SC-Polaris Power 11 **1-3980-4700-1****Mounting plug – crimp version****Triax 8****1-2581-4704-1****Triax 11****1-2530-4704-1****Protective cap**

for Triax 8-, Triax 11-plug

2-1779-7463-1**Housing protection sleeve for TRIAX-plugs ORDER-NO.**Fits all available
cable connectors**2-3056-3363-2****TRIAx female ORDER-NO.****Cable socket – crimp version****Triax 8**SC-Polaris 8, SC-Polaris Power 8 **1-3998-4740-1****Triax 11**SC-Polaris 11, SC-Polaris Power 11 **1-4000-4740-1****Mounting socket – crimp version****Triax 8****1-2587-4744-1****Triax 11****1-2550-4744-1****Protective cap**

for Triax 8-, Triax 11-socket

2-1780-7463-1Hirose ▶ Data ▶ **RJ45-plug connectors**

HIROSE RJ45-quality plugs for our twisted pair cables. When ordering, please state the desired sleeve color:

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

If not stated otherwise we will supply it with a black sleeve.

RJ45 ORDER-NO.

CAT.5e

RJ45C5E-COLOR

CAT.6

RJ45C6-COLOR

The suitable crimping pliers for the 8-pin Hirose RJ45-plug – strain relief and contact crimping in one step. More crimping pliers are available in Chapter “Mechanics + Accessories” under “Tools”.

Crimping pliers RJ45 ORDER-NO.**CZ-RJ45HR** crimping pliers CAT.5e**CZ-RJ45-6HR** crimping pliers CAT.6Multipin audio ▶ **SIEMENS TYPE MALE/FEMALE DIN 41622***The Siemens types male/female...*

in a 30-pin version are often used in broadcasting. Here our compact 10-pair digital multipair **SC-AURA** is used. Cable housing and surface flange are available in plastic or metal. Coding screws are required to install the contact inserts in the housing. They are available in a male or female version to avoid faulty connections. Products identified by the SYSBOXX-logo are suitable for our modular SYSBOXX (see “Multicore Systems”).

ORDER-NO. 30-pin (10 channel)

1 SML30CML-AU **[SYS BOXX]** Plug with gold-plated soldered contacts/Siemens type male

2 SML30CFL-AU **[SYS BOXX]** Socket with gold-plated soldered contacts/Siemens type fem.

3 SML30GK Polycarbonate sleeve housing

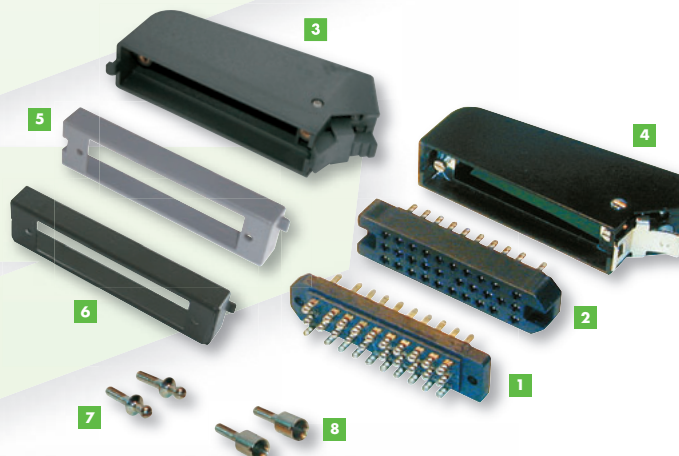
4 SML30GM Metal sleeve housing

5 SML30FK Polycarbonate bolt pan

6 SML30FM **[SYS BOXX]** Metal bolt pan

7 SML30CSM Coding screw male, per pc.

8 SML30CSF Coding screw female, per pc.



Plug connectors ▶ Digital ▶ **A/V-DIGITAL ADAPTERS****Toslink plug connectors and A/V-digital adapters**

For optical digital networking to match our optical fibre cable **OCTOPUS**, we offer our Toslink plug for do-it-yourself assembly as well as some useful adapters and tools for digital audio/video connections.

For splitter, amplifiers, and S/P-DIF-converters – see “Active Components”.

ORDER-NO.	Description
1 POF-TOS	Toslink plug for do-it-yourself assembly
590-0051	Polymer optical fibre SC-OCTOPUS (not shown – see “Bulkware”)
2 POF-AW	Stripping tool
3 POF-PS	Polishing disk/paper
4 POF-709	Toslink socket > Toslink socket for extension
5 POF-711	Toslink socket > mini plug connector

ORDER-NO.	Adapters
6 POF-723	Toslink plug > mini plug socket
7 POF-732	Toslink socket > Toslink angled plug 360° turnable
8 POF-733	Toslink socket > mini plug angled
9 POF-740	Toslink socket > Toslink socket D-flange [SYS BOXX]
10 POF-810	Toslink-coupler > 2 x Toslink-coupler
11 DVS2-MF	DVI male > HD 15-pol (VGA) female
12 DVS2-FM	DVI female > HD 15-pol (VGA) male
13 DVHD-FM	DVI female > HDMI male
DVHD-FF	DVI female > HDMI female (not shown)
14 DVHD-MF	DVI male > HDMI female
15 HDHD-FF2	HDMI female > 2 x HDMI female

Plug connectors ▶ Various ▶ **TRANSFORMERS****Line/splitter transformers**

These line/splitter transformers made in Germany are especially manufactured for **SOMMER CABLE** and stand out with linearity, low vibration, and low resistance values. The casings are suitable for print assembly, are Mu-metal shielded, and provide optimum protection against interference signals. Along with the SOMMER-transmitters we have a suitable individual printed circuit board available for do-it-yourself installation. This printed circuit board is designed for SPLIT 1:1, and SPLIT 1:1+1 for use with NEUTRIK NC3FDH. This enables flexible implementation of

compact single channel units, from one-channel-separator solution all the way to multi-channel-splitter system.

For especially difficult and high quality applications we now offer a transformer made by the Swedish manufacturer LUNDAHL. Model LL1570 is primarily used for the SYSBOXX (see SYSBOXX pages). This transformer fulfills all the requirements set forth in the Broadcasting Guidelines, making it perfectly suitable for even the highest demands.



Made in Germany

Technical Data	SPLIT 1:1	SPLIT 1:1+1	LL1570
Transformer type:	1:1	1:1+1	1+1:1+1
Housing shielding:	MU-metal	MU-metal	MU-metal
Base surface (appr.):	28 x 23 mm	28 x 23.5 mm	38 x 24 mm
Height (appr.):	17 mm	17 mm	7 mm
Input/source:	600 Ω	600 Ω	600 Ω
Output/load:	10 kΩ	10 kΩ	1 kΩ
Max. level:	+12 dBu	+12 dBu	+16 dBu
THD-factor at 40 Hz:	<1.0 %	<1.0 %	<1.0 %
Frequency range:	40 – 15.000 Hz	40 – 15.000 Hz	10 – 200.000 Hz (+/-0.5 dB)
Test voltage:	4 kV winding/winding		

Type	ORDER-NO.
Sommer SPLIT 1:1	SPLIT-1:1
Sommer SPLIT 1:1+1	SPLIT-1:1+1
Lundahl LL1570	LL1570
SPLIT-BOARD f. Sommer SPLIT	SPLIT-BOARD

Ready-to-connect incl. board/NC3FDH, incl. electronically activated resonance damping and signal isolation

SPLIT 1:1	SPLIT-B-1:1
SPLIT 1:1+1	SPLIT-B-1:1+1
LL1570 / 4-channel board [SYS BOXX]	SBC13-4XF1:1+1L
SOMMER SPLIT 1:1+1 / [SYS BOXX]	SBC13-4XF1:1+1S

Assignment SPLIT 1:1

I/P +- = DIR-OUT ground/+/-
O/P1 +- = ISO-OUT ground/n.c./-
O/P2 +- = /n.c./+/n.c.

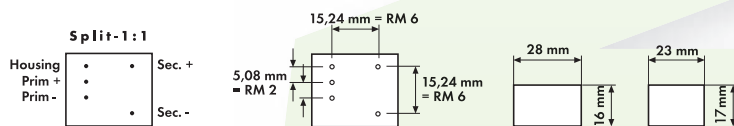
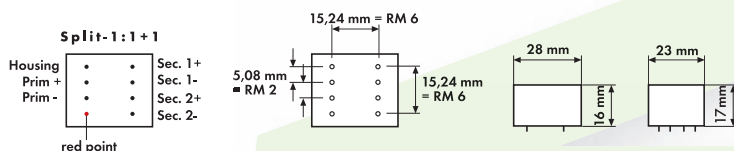
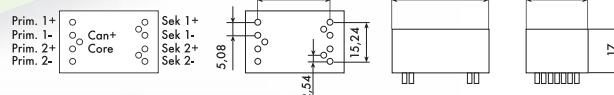
n.c. = not connected

DIR-OUT = input or FOH-output, tap BEFORE transformer

ISO-OUT = isolated output, tap AFTER transformer

Assignment SPLIT 1:1+1

I/P +- = DIR-OUT ground/+/-
O/P1 +- = ISO-OUT 1 ground/+/-
O/P2 +- = ISO-OUT 2 ground/+/-

Split-1:1 Dimensions & Pin-wiring**Split-1:1+1 Dimensions & Pin-wiring****LL1570**

Plug connectors ▶ Multipin audio/load ▶ ILME MULTIPIN CONNECTORS

ILME multipin rectangular connectors are normed and compatible with all common rectangular connectors on the market (Harting, etc.). On the following pages you will find a small useful selection of the most commonly used multipin connectors. We offer the complete ILME product assortment plus articles not shown here – e.g.

metric versions. Just ask us.

Products identified by the the SYSBOXX-logo are compatible with or modular system box. More information is available in Chapters “Multicore Systems” and “Mechanics & Accessories”.

Audio connector system 24-pin

SLEEVE HOUSING WITH BOLT

ORDER-NO. DESCRIPTION

1	CHV06L16	Sleeve housing 2 bolts flat/straight PG16
2	CHV06L16N	Sleeve housing 2 bolts flat/straight PG16, black
3	CAV06L21	Sleeve housing 2 bolts flat/straight PG21
4	CHO06L16	Sleeve housing 2 bolts flat/angled PG16
5	CAO06L21	Sleeve housing 2 bolts flat/angled PG21



SYS BOXX

EXTENSION & MOUNTED HOUSING WITH CLIP

ORDER-NO. DESCRIPTION

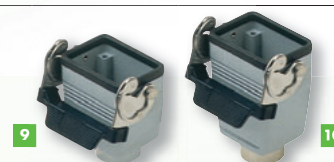
6	CHI06L	Extension housing 1 clip open to back
7	CHP06L	Mounted housing 1 clip flat/side PG16
8	CAP06L	Mounted housing 1 clip high/side PG21



CLIP OPEN TO BACK

ORDER-NO. DESCRIPTION

9	CHV06LG	Sleeve housing 1 clip flat/straight PG16
10	CAV06LG21	Sleeve housing 1 clip high/straight PG 21

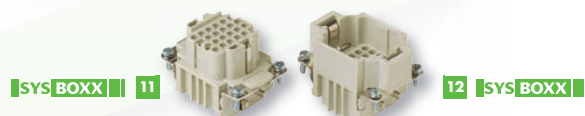


CONTACT INSERTS

(For crimping contacts, see “Accessories” on the next pages)

ORDER-NO. DESCRIPTION

11	CDDF24	Socket insert 24-pin + ⊕ without crimping contacts
12	CDDM24	Pin insert 24-pin + ⊕ without crimping contacts



Audio connector system 42-pin/load connector system 10-pin

SLEEVE HOUSING WITH BOLT

ORDER-NO. DESCRIPTION

1	CHV10	Sleeve housing 4 bolts flat/straight PG16
2	CAV10.21	Sleeve housing 4 bolts high/straight PG21
3	CAV10.21N	Sleeve housing 4 bolts high/straight PG21, black
4	CHO10	Sleeve housing 4 bolts flat/angled PG16
5	CAO10.21	Sleeve housing 4 bolts high/angled PG21



SYS BOXX

EXTENSION & MOUNTED HOUSING WITH CLIP

ORDER-NO. DESCRIPTION

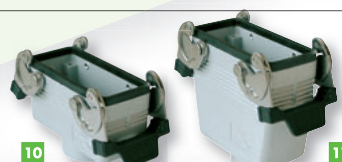
6	CHI10	Extension housing 2 clip open to back
7	CHI10N	Extension housing 2 clip open to back, black
8	CHP10	Extension housing 2 clip flat/side PG16
9	CAP10.21	Extension housing 2 clip high/side PG21



SLEEVE HOUSING WITH CLIP

ORDER-NO. DESCRIPTION

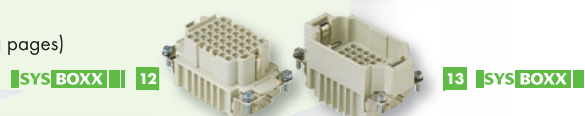
10	CHV10G	Sleeve housing 2 clip flat/straight PG16
11	CAV10G	Sleeve housing 2 clip high/straight PG 21



CONTACT INSERTS – AUDIO (for crimping contacts see “Accessories” on the following pages)

ORDER-NO. DESCRIPTION

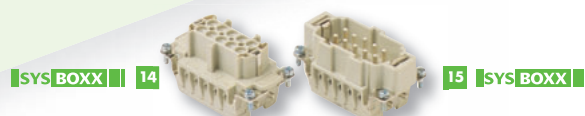
12	CDDF42	Socket insert 42-pin + ⊕ without crimping contacts
13	CDDM42	Pin insert 42-pin + ⊕ without crimping contacts



CONTACT INSERTS - LOAD WITH SCREW CONTACTS (incl. wire protection)

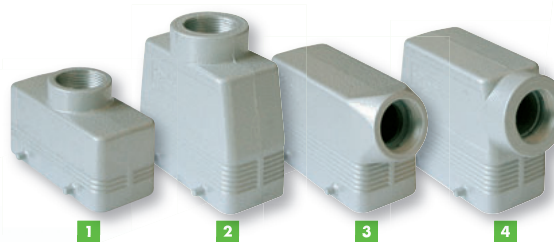
ORDER-NO. DESCRIPTION

14	CNEF10T	Socket insert 10-pin + ⊕ incl. screw contacts
15	CNEM10T	Pin insert 10-pin + ⊕ incl. screw contacts

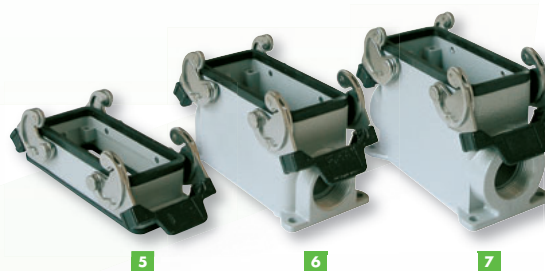


Plug connectors ▶ Multipin audio/load ▶ **ILME MULTIPIN CONNECTORS****Audio connector systems 40- & 72-pin/load connector system 16-pin****SLEEVE HOUSING WITH BOLT****ORDER-NO. DESCRIPTION**

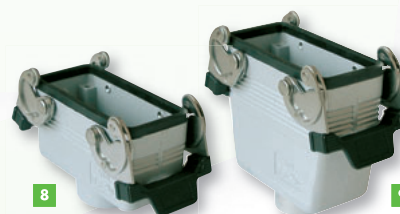
1 CHV16	Sleeve housing 4 bolt flat/straight PG21
2 CAV16.21	Sleeve housing 4 bolt high/straight PG21
CAV16.29	Sleeve housing 4 bolt high/straight PG29
3 CHO16	Sleeve housing 4 bolt flat/angled PG21
4 CAO16.21	Sleeve housing 4 bolt high/angled PG21
CAO16.29	Sleeve housing 4 bolt high/angled PG29

**EXTENSION & MOUNTED HOUSING WITH CLIP****ORDER-NO. DESCRIPTION**

5 CHI16	Extension housing 2 clip open to back
6 CHP16	Mounted housing 2 clip flat/side PG21
7 CAP16.21	Mounted housing 2 clip high/side PG21
CAP16.29	Mounted housing 2 clip high/side PG29

**SLEEVE HOUSING WITH CLIP****ORDER-NO. DESCRIPTION**

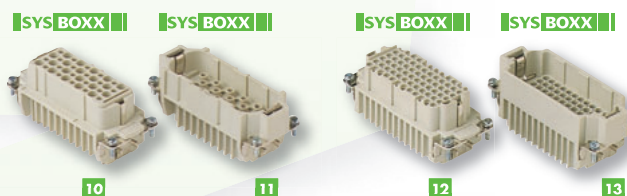
8 CHV16G	Sleeve housing 2 clip flat/straight PG 21
9 CAV16G	Sleeve housing 2 clip high/straight PG 21
CAV16G29	Sleeve housing 2 clip high/straight PG 29

**CONTACT INSERTS – AUDIO**

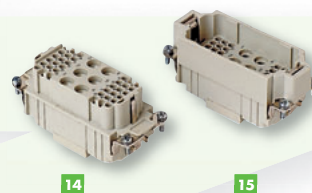
(for crimping contacts – see next pages)

ORDER-NO. DESCRIPTION

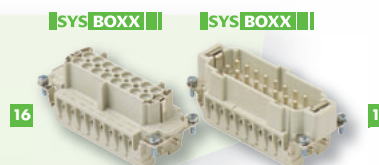
10 CDF40	Socket insert 40-pin + ⊕ without crimping contacts
11 CDM40	Pin insert 40-pin + ⊕ without crimping contacts
12 CDDF72	Socket insert 72-pin + ⊕ without crimping contacts
13 CDDM72	Pin insert 72-pin + ⊕ without crimping contacts

**CONTACT INSERTS – LOAD + AUDIO** (for crimping contacts CX-series for load, CD-series for audio – see next pages)**ORDER-NO. DESCRIPTION**

14 CXF6/36	Socket insert 6 x 40 A + 36 x 10 A, without crimping contacts
15 CXM6/36	Pin insert 6 x 40 A + 36 x 10 A, without crimping contacts

**CONTACT INSERTS LOAD WITH SCREW CONTACTS** (incl. wire protection)**ORDER-NO. DESCRIPTION**

16 CNEF16T	Socket insert 16-pin + ⊕ incl. screw contacts
17 CNEM16T	Pin insert 16-pin + ⊕ incl. screw contacts

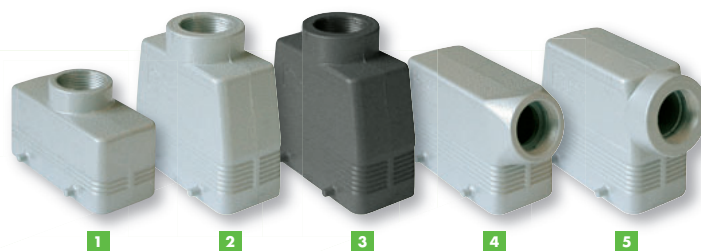


Audio connector system 64- & 108-pin

SLEEVE HOUSING WITH BOLT

ORDER-NO. DESCRIPTION

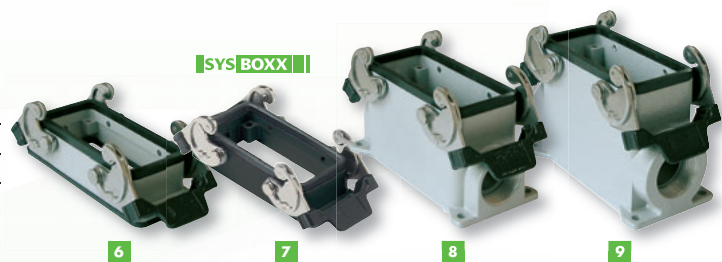
1	CHV24	Sleeve housing 4 bolts flat/straight PG21
2	CAV24.21	Sleeve housing 4 bolts high/straight PG21
	CAV24.29	Sleeve housing 4 bolts high/straight PG29
3	CAV24.29N	Sleeve housing 4 bolts high/straight PG29, black
4	CHO24	Sleeve housing 4 bolts flat/angled PG21
5	CAO24.21	Sleeve housing 4 bolts high/angled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



EXTENSION & MOUNTED HOUSING WITH CLIP

ORDER-NO. DESCRIPTION

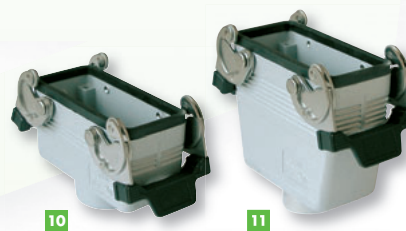
6	CHI24	Extension housing 2 clip open to back
7	CHI24N	Extension housing 2 clip open to back, black
8	CHP24	Mounted housing 2 clip flat/side PG21
9	CAP24.21	Mounted housing 2 clip high/side PG21
9	CAP24.29	Mounted housing 2 clip high/side PG29



SLEEVE HOUSING WITH CLIP

ORDER-NO. DESCRIPTION

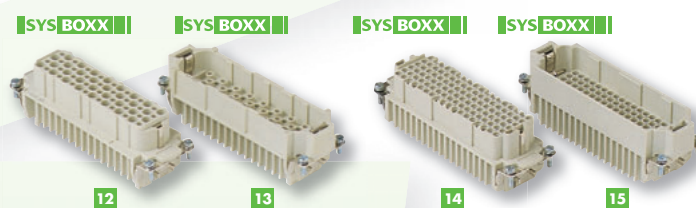
10	CHV24G	Sleeve housing 2 clip flat/straight PG 21
11	CAV24G	Sleeve housing 2 clip high/straight PG 21
11	CAV24G29	Sleeve housing 2 clip high/straight PG 29



CONTACT INSERTS – AUDIO (for crimping contacts – see the next pages)

ORDER-NO. DESCRIPTION

12	CDF64	Socket insert 64-pin + ⊕ without crimping contacts
13	CDM64	Pin insert 64-pin + ⊕ without crimping contacts
14	CDDF108	Socket insert 108-pin + ⊕ without crimping contacts
15	CDDM108	Pin insert 108-pin + ⊕ without crimping contacts



Plug connectors ▶ Multipin audio/load ▶ **ILME MULTIPIN CONTACTS + ACCESSORIES****CRIMPING CONTACTS FIT ALL CRIMPING CONTACT INSERTS****ORDER-NO. DESCRIPTION**

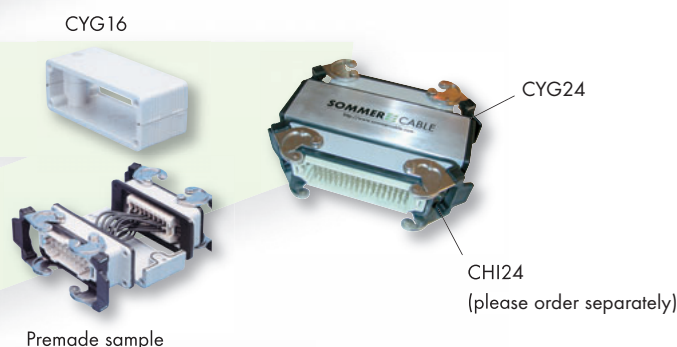
CDFA0,3	Contact socket, silver-plated for conductor 0.37 mm ²
CDFA0,5	Contact socket, silver-plated for conductor 0.50 mm ²
CDFA1,0	Contact socket, silver-plated for conductor 1.00 mm ²
CDFA2,5	Contact socket, silver-plated for conductor 2.50 mm ²
CDMA0,3	Contact plug, silver-plated for conductor 0.37 mm ²
CDMA0,5	Contact plug, silver-plated for conductor 0.50 mm ²
CDMA1,0	Contact plug, silver-plated for conductor 1.00 mm ²
CDMA2,5	Contact plug, silver-plated for conductor 2.50 mm ²
CDFD0,3	Contact socket, gold-plated for conductor 0.37 mm ²
CDMD0,3	Contact plug, gold-plated for conductor 0.37 mm ²
CXFA1,5	Contact socket, silver-plated, 40 A, for conductor 1.5 mm ²
CXFA2,5	Contact socket, silver-plated, 40 A, for conductor 2.5 mm ²
CXMA1,5	Contact plug, silver-plated, 40 A, for conductor 1.5 mm ²
CXMA2,5	Contact plug, silver-plated, 40 A, for conductor 1.5 mm ²

PROTECTIVE COVERS + TOOLS**ORDER-NO. DESCRIPTION**

1 CHC06LG	Protective cover 1 clip with seal ring for CHV06/CAV06/CHO06/CAO06
2 CHC06L	Protective cover 2 bolts with fixing cable for CHI06/CHP06/CAP06/CHV06/CAV06
CHC06LN	Protective cover 2 bolts with fixing cable, black for CHI06/CHP06/CAP06/CHV06/CAV06
3 CHC10G	Protective cover 2 clips with seal ring for sleeve housing CHV10/CAV10/CHO10/CAO10
CHC16G	Protective cover 2 clips with seal ring for sleeve housing CHV16/CAV16/CHO16/CAO16
CHC24G	Protective cover 2 clips with seal ring for sleeve housing CHV24/CAV24/CHO24/CAO24
4 CHC10	Protective cover 4 bolts with fixing cable for CHI10/CHP10/CAP10/CHV10/CAV10
CHC10N	Protective cover 4 bolts with fixing cable for CHI10/CHP10/CAP10/CHV10/CAV10, black
CHC16	Protective cover 4 bolts with fixing cable for CHI16/CHP16/CAP16/CHV16/CAV16
CHC16N	Protective cover 4 bolts with fixing cable for CHI16/CHP16/CAP16/CHV16/CAV16, black
CHC24	Protective cover 4 bolts with fixing cable for CHI24/CHP24/CAP24/CHV24/CAV24
CHC24N	Protective cover 4 bolts with fixing cable for CHI24/CHP24/CAP24/CHV24/CAV24, black
5 CCES2	Pressing tool for contacts CDF/CDM
6 WECLOC1271	Crimping insert f. WCZ1200 for twisted contacts 0.14 - 4.0 mm ² , AWG 25 - 11, <4-corner-crimping>
7 WCZ1200	Profi-Crimpzange verchromt, inkl. Koffer - ohne Einsätze
8 WCZ1671	Hand crimping pliers, incl. crimping inserts (not shown) 0.14 - 4.0 mm ² , AWG 25 - 11, <4-corner-crimping>

Plug connector ▶ **MULTIPIN ADAPTERS AND COVER PLATES****Multipin adapter plate and multipin cover plate****ORDER-NO. DESCRIPTION**

CYG16	Extension adapter for 2 x CHI16 f. flying connections, e.g. of load multicore cables
CYG24	Extension adapter for 2 x CHI24 f. flying connections, e.g. of multicore connections



Plug connectors ▶ Multipin audio ▶ **ACCESSORIES PG-THREADING****Strain relief made of nickel-plated brass with seal ring****ORDER-NO. DESCRIPTION**

KVM16	PG 16 hole diameter 12 - 16 mm
KVM21	PG 21 hole diameter 15 - 20 mm
KVM29	PG 29 hole diameter 21 - 28 mm

Metric version upon request.

**Strain relief made of nickel-plated brass w. rubber protection sleeve****ORDER-NO. DESCRIPTION**

PGZ16-13	PG 16 hole diameter 11 - 13 mm
PGZ16-15	PG 16 hole diameter 13 - 15 mm
PGZ21-15	PG 21 hole diameter 13 - 15 mm
PGZ21-17	PG 21 hole diameter 15 - 17 mm
PGZ21-19	PG 21 hole diameter 17 - 19 mm
PGZ21-20	PG 21 hole diameter 18 - 20 mm
PGZ29-25	PG 29 hole diameter 20 - 25 mm

**Strain relief with flared output and seal ring****ORDER-NO. DESCRIPTION**

CRS16	PG 16 hole diameter 10 - 14 mm
CRS21	PG 21 hole diameter 13 - 18 mm
CRS29	PG 29 hole diameter 18 - 25 mm

**Strain relief made of plastic, watertight (grey upon request)****ORDER-NO. DESCRIPTION**

PGV16-SW	PG 16 hole diameter 10 - 14 mm, black
PGV21-SW	PG 21 hole diameter 13 - 18 mm, black
PGV29-SW	PG 29 hole diameter 18 - 25 mm, black
PGV36-SW	PG 36 hole diameter 22 - 32 mm, black

Metric version upon request.

**Strain relief made of plastic with cable bend protection, watertight****ORDER-NO. DESCRIPTION**

PGV16K-GR	PG 16 hole diameter 10 - 14 mm, grey
PGV16K-SW	PG 16 hole diameter 10 - 14 mm, black
PGV21K-GR	PG 21 hole diameter 13 - 18 mm, grey
PGV21K-SW	PG 21 hole diameter 13 - 18 mm, black

**Cable metal protection sleeve with flared input and PG-output****ORDER-NO. DESCRIPTION**

KMS13	PG 13 hole diameter 7 - 10 mm
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**Reduction threading made of nickel-plated brass****ORDER-NO. DESCRIPTION**

RZG21-16	PG 21 to PG 16
RZG29-16	PG 29 to PG 16
RZG29-21	PG 29 to PG 21

Metric version upon request.

**Counter-nuts made of nickel-plated brass****ORDER-NO. DESCRIPTION**

PGM16	PG 16 inside threading
PGM21	PG 21 inside threading
PGM29	PG 29 inside threading

Metric version upon request.

**PG-cover plates made of black plastic (grey upon request)****ORDER-NO. DESCRIPTION**

PGA16	PG 16 hole cover
PGA21	PG 21 hole cover
PGA29	PG 29 hole cover

Metric version upon request.

**CABLE GRIPS**

Cable grips made of wire braiding to suspend cable strain reliefs on multipair cables. This is a useful accessory to protect multipair splices.

ORDER-NO. DIMENSIONS

BD7	Ø 6 - 10 mm
BD9	Ø 10 - 18 mm
BD11	Ø 18 - 22 mm
BD13	Ø 22 - 26 mm
BD15	Ø 26 - 31 mm





Plug connector ▶ Multipin audio ▶ TOURLOCK + CA-COM 8-PIN

Off we go...

because these multipin plug connectors with their round design are first and foremost used for multipair and stagebox systems with separate grounding for professional stage and event technologies.

They can be found wherever the quality of common rectangular connectors is not sufficient, for example:

- Outdoor areas/professional event technology
- Dirty surroundings, in cold and damp weather

PRODUCT ADVANTAGES:

- Available in 8- to 150-pin versions
- Watertight (12 hours at a depth of 10 m)
- Dependable lock with sleeve nut, robust housing
- Self-centering pins, thus very good contacting
- Low transmission resistance guarantees excellent audio quality
- MIL-, VG-, UL-, and railway-certified
- Cable connectors include strain relief

The 8-pin version is compatible with the 8-pin CA-COM-plug connector.

We supply the male version without sleeve nut to ease loom extension.

The 25-pin connector is compatible with all 24-pin LK's - only the pin in the lower center has to be omitted.

In Chapter "Equipment + Accessories/Stagebox Empty Housings" you can find our standard and 19" stagebox casings THE BOXX, SYSBOXX, and BLACKBOXX for installation of several round mounting connectors.

Contact pins and sockets have to be ordered separately.

Assignment plans can be found on the last pages of this catalogue.

Other versions and pin counts are available upon request.

8-pin version CA-COM

ORDER-NO. DESCRIPTION

CIR LK 08MV	Cable plug (male), with sleeve nut
CIR LK 08FV	Cable plug (female), with sleeve nut

25-pin version (8-channel), arrangement 24A - 25

ORDER-NO. DESCRIPTION

CIR LK 25MP	Mounting plug (male)	SYS BOXX
CIR LK 25FP	Mounting socket (female)	SYS BOXX
CIR LK 25MV	Cable plug (male), cable output PG 16	
CIR LK 25FV	Cable socket (female), cable output PG 16	
CIR 24 TFT39	Protective cap for connector male	
CIR 24 TVT39	Protective cap for connector female	
	Contact plugs and sockets - see chart 85-pin	

NEW!

37-pin version (12-channel), arrangement 28 - 21

ORDER-NO. DESCRIPTION

CIR LK 37MP	Mounting plug (male)	SYS BOXX
CIR LK 37FP	Mounting socket (female)	SYS BOXX
CIR LK 37MV	Cable plug (male), cable output PG 21	
CIR LK 37FV	Cable socket (female), cable output PG 21	
CIR 28 TFT39	Protective cap for connectors male	
CIR 28 TVT39	Protective cap for connectors female	
	Contact plugs and sockets - see chart 85-pin	

Cable plug
CIR LK ..MV



Cable socket
CIR LK ..FV



Protective cap
CIR ..TFT39



Protective cap
CIR ..TVT39



Mounting socket
CIR LK ..FP



Mounting plug
CIR LK ..MP



Contact-pin

female



male



Strain relief
PGV-..

(incl. for 85- and 150-pin cable connectors)



Strain relief with
bend protection
V-..K

(incl. for 25- and 37-pin cable connectors)



85-pin version (24-channel), arrangement 40 - 56

ORDER-NO. DESCRIPTION

CIR LK 85MP	Mounting plug (male)	SYS BOXX
CIR LK 85FP	Mounting socket (female)	SYS BOXX
CIR LK 85MV	Cable plug (male), cable output PG 29	
CIR LK 85FV	Cable socket (female), cable output PG 29	
CIR 40 TFT39	Protective cap for connector male	
CIR 40 TVT39	Protective cap for connector female	
27913T12	Contact plug, gold-plated (up to 85-pin), size 16	
27963T12	Contact socket, gold-plated (up to 85-pin), size 16	
27913T13	Crimping plug, gold-plated (up to 85-pin), size 15	
27963T13	Crimping socket, gold-plated (up to 85-pin), size 15	
27913T9	Contact plug, silver-plated (up to 85-pin), size	
27963T9	Contact socket, silver-plated (up to 85-pin), size 16	

150-pin version (48-channel), arrangement 40A - 150

ORDER-NO. DESCRIPTION

CIR LK 150MP	Mounting plug (male)	SYS BOXX
CIR LK 150FP	Mounting socket (female)	SYS BOXX
CIR LK 150MV	Cable plug (male), cable output PG 36	
CIR LK 150FV	Cable socket (female), cable output PG 36	
CIR 40 TFT39	Protective cap for connector male	
CIR 40 TVT39	Protective cap to connector female	
46740PT12	Contact plug, gold-plated (100 - 150-pin), size 18	
46740ST12	Contact socket, gold-plated (100 - 150-pin), size 18	

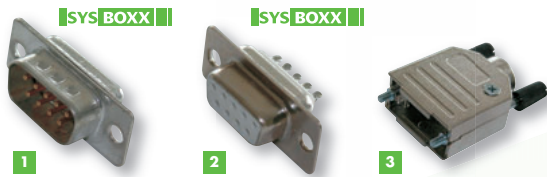
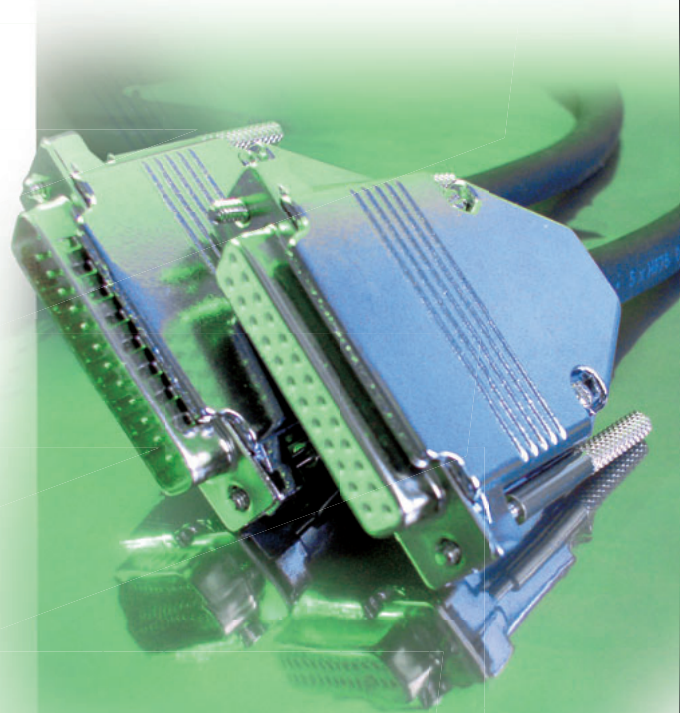
ORDER-NO. TOOLS

M225201/1-01	Crimping pliers for 8 - 150-pin LK-contacts
M225201/1-02	Centering device for 8 - 150-pin LK-contacts (must be ordered with crimping pliers!)
T98143	Mounting pliers for all LK-contacts
43240	Loosening tool for 8 - 85-pin LK-contacts
KIT-99-011	Loosening tool for 150-pin LK-contacts

Plug connectors ▶ Multipin audio ▶ **SUB-D***SUB-D or D-SUB ???*

that is the question you will have to answer for yourself. Meant are the following compact multipin plug connectors for serial data connection of all types of peripherals, such as e.g. printers, monitors, S/P-DIF-interfaces, etc. The soldered mounting plugs and sockets have twisted, fully gold-plated precision contacts of the highest quality. They ensure dependable transmission quality with a low transmission resistance and a long life.

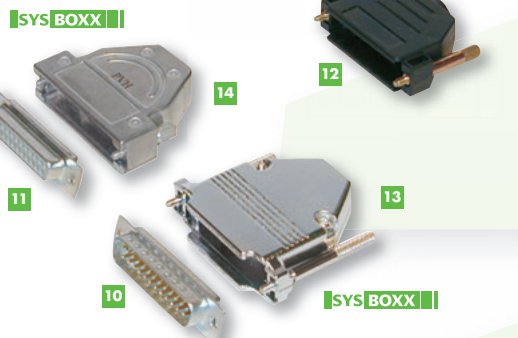
The screwable housings have long knurled screws and are available in plastic, standard metal, or as a professional solid metal version. They are absolutely strong, suitable for large cable diameters, and have 1 straight and 2 side outputs (optimum HF-shielding, Protection Class 3). Other versions are upon request. All products identified by the SYSBOXX-logo are suitable for our modular SYSBOXX (see "Multicore Systems"). New is the space-saving Sub-D Gender Changer in 9-pin and 15-pin HD with D-hole.



ORDER-NO.	9-pin version
1 SUBD09CML	9-pin HD-pin insert with soldered contacts, Protection Class 2
2 SUBD09CFL	9-pin HD-socket insert with soldered contacts, Protection Class 2
3 SUBD0915GM	9-pin HD-metal housing for max. 11.5 mm cable-Ø

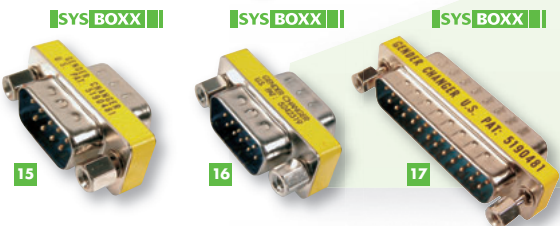


ORDER-NO.	15-pin version HD (VGA)
4 SUBD15HDCML	15-pin HD-pin insert with soldered contacts, Protection Class 3
5 SUBD15HDCFL	15-pin HD-socket insert with soldered contacts, Protection Class 3
6 SUBD0915GM	15-pin HD-metal housing for max. 11.5 mm cable-Ø



ORDER-NO.	15-pin version (5-channel)
7 SUBD15CML	15-pin pin insert with soldered contacts, Protection Class 3
8 SUBD15CFL	15-pin socket insert with soldered contacts, Protection Class 3
9 SUBD15HM	15-pin solid metal cover with max. 9.5 mm cable-Ø

ORDER-NO.	25-pin version (8-channel)
10 SUBD25CML	25-pin pin insert with soldered contacts, Protection Class 3
11 SUBD25CFL	25-pin socket insert with soldered contacts, Protection Class 3
12 SUBD25GK	25-pin plastic housing for max. 10.5 mm cable-Ø
13 SUBD25GM	25-pin metal housing for max. 9.5 mm cable-Ø
14 SUBD25HM	25-pin solid metal cover for max. 13 mm cable-Ø



ORDER-NO.	Mini gender changers
15 SUBD09-FF	9-pin gender changer, female - female
SUBD09-FM	9-pin gender changer, female - male
SUBD09-MM	9-pin gender changer, male - male
16 SUBD15HD-FF	15-pin HD gender changer, female - female
SUBD15HD-FM	15-pin HD gender changer, female - male
SUBD15HD-MM	15-pin HD gender changer, male - male
17 SUBD25-FF	25-pin gender changer, female - female
SUBD25-FM	25-pin gender changer, female - male
SUBD25-MM	25-pin gender changer, male - male



ORDER-NO.	Mini gender changer with D-hole	NEW!
18 SUBD09-FF-D-B	9-pin gender changer, female - female, D-hole	
SUBD09-FM-D-B	9-pin gender changer, female - male, D-hole	
SUBD09-MM-D-B	9-pin gender changer, male - male, D-hole	
SUBD15HD-FF-D-B	15-pin gender changer, female - female, D-hole	
SUBD15HD-FM-D-B	15-pin gender changer, female - male, D-hole	
SUBD15HD-MM-D-B	15-pin gender changer, male - male, D-hole	

Multipin audio ▶ **SOCAPEX***Well rounded off...*

are the 37-pin **SOCAPE** plug connectors with their round design, suitable for our multipairs **MCF12** or **QMC12**.

They are primarily used for multipairs and stagebox systems with separate grounding for professional stage and event technologies or analog 0 – 10 V control cables for lighting technology (dimmer).

The soldered contact pins and sockets are solidly integrated in the housing.

Wiring diagrams can be found on the last pages of this catalogue.

APPLICATION:

- Outdoor areas/professional event technology
- Dirty surroundings, in cold or damp weather

PRODUCT ADVANTAGES:

- Available in a 37-pin version (12-channel with separate grounding)
- Splash water protection, Protection Class IP67, vibration-protected
- Dependable lock with sleeve nut, robust housing
- Self-centering pins, thus very good contact
- Temperature range: -55 °C...+125 °C
- Low contact resistance guarantees excellent audio quality

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

1 SLEME337	Mounting plug (male)
2 SLEF337	Mounting socket (male)
3 SLFMD337	Cable plug (male) with fix-integrated PG-threading
4 SLFDR337	Cable socket (female) with fix-integrated PG-threading
5 SLMA337	Protective cap for connector male
SLFA337	Protective cap for connector female

Plug Connectors ▶ Multipin audio ▶ **EDAC***The classic one...*

among multipins is the **EDAC-516**-plug connector, still to be found in the studio setting today.

It consists of a contact carrier with a screw or a nut as counter-piece. It really is ingenious that only one contact version/size is required, which simply has to be inserted into the pickup on the contact carrier horizontally or vertically.

The contacts are available as a soldered or crimped version. Contact is established through touching of the horizontal and vertical gold-plated contact forks.

There are 4 types of plug connectors available:

A: Contact carrier male with screw – contacts all in horizontal position

B: Contact carrier male with nut – contacts all in horizontal position

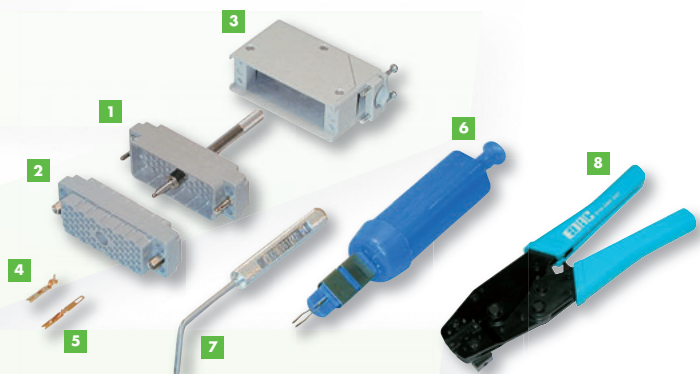
C: Contact carrier female with screw – contacts all in vertical position

D: Contact carrier female with nut – contacts all in vertical position

Only A and D match, or B and C.

We have the most commonly used 56-pin version in stock.

The 90-pin version is available upon request.

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

1 EDAC56MS	Contact carrier male with screw, plastic
EDAC56MM	Contact carrier male with nut, plastic
2 EDAC56FS	Contact carrier female with screw, plastic
EDAC56FM	Contact carrier female with nut, plastic
3 EDAC56GM	Cable housing for 56-pin contact carrier, aluminum casting

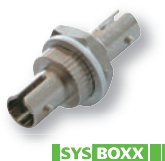
ORDER-NO. 56-pin version (18-channel)

4 EDAC-PIN-C	Crimping contact, gold-plated (universal)
5 EDAC-PIN-L	Soldered contact, gold-plated (universal)
6 EDAC-WAD	Pressing tool for EDAC-contacts
7 EDAC-WMO	Assembly tool for EDAC-crimping contacts
8 EDAC-WCZ	Crimping pliers for EDAC-contacts, cable sized 18 - 26 mm

Plug connectors ▶ Data ▶ **LWL-MOUNTING ADAPTERS**

For our modular **SYSBOXX** we offer suitable mounting patch adapters for LWL-connection. Alternately ST-, SC-, or LC-connectors can be connected. The ST-adapter fits our D-flange housing **HI-DET** and can even be color coded. The other adapters fit into the **SYSBOXX**-front panel SBF-2-1-1 GF. More information is available in

Chapters "Multicore and Distribution Systems" or "Mechanics + Accessories". Suitable patch cables are available in Chapter "Premade Cables".

Mount. adapter Connection ORDER-NO.

ST ↔ ST patch coupler, multi.mode, metal,
outer diameter 9.2 mm - fits flange HI-DET:
1 x Duplex

GF-STST-FF

4xLC ↔ 4xLC patch coupler, single mode, metal,
suitable for SYSBOXX-front panel SBF-2-1-1 GF:
4 x Duplex

GF-LC4LC4-FF**Mount. adapter Connection ORDER-NO.**

2xSC ↔ 2xSC-duplex patch coupler, single mode, metal,
suitable for **SYSBOXX**-front panel SBF-2-1-1 GF:
2 x Duplex

GF-SC2SC2-FF

Power 230 V/400 V ▶ SCHUKO/-CEE

A touchy subject...

that is what load plug connectors are, especially when the quality is questionable. We have compiled an assortment of high quality **SCHUKO** und **CEE**-connectors "**Made in Germany**" by Mennekes, with excellent electrical and mechanical properties for 230V and 400V use.

To use these plug connectors you should be a trained electrician and always install an FI-protection switch between user and power source. CEE-connectors comply with Norms IEC309-1/-2, DIN EN60309-1/-2, DIN VDE0623, as well as Protection Type IP44.

The SCHUKO-connectors (max. 2.5 mm² cable) are in compliance with Norms DIN 49440-1/-2/-3 and DIN VDE 0620.

The suitable power cables **ATRIUM FLEX**, **SILCOFLEX** and **RUBBERFLEX** are available in Chapter "Bulk Cables".

Products identified by the SYSBOXX-logo are suitable for our modular SYSBOXX (see "Multicore Systems").

**MENNEKES®**

Plugs for the world



ORDER-NO.	DESCRIPTION
1 SCHU-MC230/16-SW	SCHUKO-cable plug, black, rubber housing with bend protection 230 V/16 A
2 SCHU-FC230/16-SW	SCHUKO-cable plug, black, rubber housing with bend protection 230 V/16 A
3 SCHU-FC230-3SW	SCHUKO-cable socket, triple, black, rubber suspension housing IP44-protection 230 V/16 A (max. 2.5 mm ²)
4 SCHU-MC230/16PSW	SCHUKO-cable plug, black, robust professional quality with bend protection 230 V/16 A (max. 2.5 mm ²)
5 SCHU-FC230/16PSW	SCHUKO-Kabeldose, schwarz, robust professional quality with bend protection and cover 230 V/16 A (max. 2.5 mm ²)
6 SCHU-FP230/16DBL [SYS BOXX]	SCHUKO-mounting socket with cover, blue 230 V/16 A (max. 2.5 mm ²)
SCHU-FP230/16DSW [SYS BOXX]	SCHUKO-mounting socket with cover, black 230 V/16 A (max. 2.5 mm ²)
7 SCHU-FP230/16XBL [SYS BOXX]	SCHUKO-mounting socket without cover, blue 230 V/16 A (max. 2.5 mm ²)
SCHU-FP230/16XSW [SYS BOXX]	SCHUKO-mounting socket without cover, black 230 V/16 A (max. 2.5 mm ²)
8 CEE3-MC230/16-BL	CEE-cable plug 3-pin, blue, 230 V/16 A (max. 2.5 mm ²)
9 CEE3-FC230/16-BL	CEE-cable socket 3-pin with cover, blue 230 V/16 A (max. 2.5 mm ²)
10 CEE3-MP230/16-BL	CEE-mounting plug 3-pin, blue, 230 V/16 A (max. 2.5 mm ²)
11 CEE3-FP230/16-BL [SYS BOXX]	CEE-mounting socket 3-pin with cover, blue 230 V/16 A (max. 2.5 mm ²)

ORDER-NO.	DESCRIPTION
12 CEE5-MC400/16-RT	CEE-cable plug 5-pin, red 400 V/16 A (max. 2.5 mm ²)
CEE5-MC400/32-RT	CEE-cable plug 5-pin, red 400 V/32 A (max. 6.0 mm ²)
CEE5-MC400/63-RT	CEE-cable plug 5-pin, red 400 V/63 A (max. 16.0 mm ²)
13 CEE5-FC400/16-RT	CEE-cable socket 5-pin with cover, red, 400 V/16 A (max. 2.5 mm ²)
CEE5-FC400/32-RT	CEE-cable socket 5-pin with cover, red, 400 V/32 A (max. 6.0 mm ²)
CEE5-FC400/63-RT	CEE-cable socket 5-pin with cover, red, 400 V/63 A (max. 16.0 mm ²)
14 CEE5-MP400/16-RT	CEE-mounting plug 5-pin, red 400 V/16 A (max. 2.5 mm ²)
CEE5-MP400/32-RT	CEE-mounting plug 5-pin, red 400 V/32 A (max. 6.0 mm ²)
CEE5-MP400/63-RT	CEE-mounting plug 5-pin, red 400 V/63 A (max. 16.0 mm ²)
15 CEE5-FP400/16-RT	CEE-mounting socket 5-pin with cover, red, 400 V/16 A (max. 2.5 mm ²)
CEE5-FP400/32-RT	CEE-mounting socket 5-pin with cover, red, 400 V/32 A (max. 6.0 mm ²)
CEE5-FP400/63-RT	CEE-mounting socket 5-pin with cover, red, 400 V/63 A (max. 16.0 mm ²)
16 CEE3-MC110/16-GE	CEE-cable plug 3-pin, yellow 110 V/16 A (max. 2.5 mm ²)
17 CEE3-FC110/16-GE	CEE-cable socket 3-pin with cover, yellow, 110 V/16 A (max. 2.5 mm ²)
18 CEE5-MR400/16-RT [SYS BOXX]	CEE-mounting plug round 5-pin, red 400 V/16 A (max. 2.5 mm ²)
CEE5-MR400/32-RT [SYS BOXX]	CEE-mounting plug round 5-pin, red 400 V/32 A (max. 6.0 mm ²)
19 CEE5-FR400/16-RT [SYS BOXX]	CEE-mounting socket round 5-pin with cover, red, 400 V/16 A (max. 2.5 mm ²)
CEE5-FR400/32-RT [SYS BOXX]	CEE-mounting socket round 5-pin with cover, red, 400 V/32 A (max. 6.0 mm ²)