

speakON® Connectors



NEUTRIK

<u>Content</u> Page

speakON SPX Series, 2 & 4 Pole Cable Connector	4
speakON FC Series, 4 and 8 Pole Cable Connector	6
speakON Adapter, 4 & 8 Pole	7
speakON Chassis Connector, 2,4 & 8 Pole	8
speakON Combo	9
speakON STX Series, 4 & 8 Pole Cable Connector	10
speakON STX Series, 4 & 8 Pole Chassis Connector	11
Technical Data	12
Ordering Information:	
Cable Connectors	13
Accessories for Cable Connector	13
Chassis Connectors	14
Accessories for Chassis Connectors	15
Wiring	16

_							
Ge	ne	ral	ınt	ori	mai	tıo	n:

Definition, Abbreviation & Useful Information	17
Neutrik Part Number Guide	18
Neutrik Product Line	19

speakON® Connectors

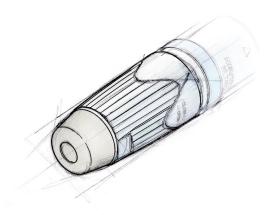


Introduction

The Neutrik speakON® Series, known in the professional audio industry as "The loudspeaker connector" has become the state of the art in speaker and amplifier connectivity. Introduced in 1987 speakON was invented by Neutrik as a result of customer demand for a reliable speaker connection. The pro audio market quickly realized the advantages of this completely new connection system.

The design is optimized for loudspeaker applications with an outstanding cost-performance ratio. As market leader for speaker connections we are proud to offer an all-encompassing product line for the specific needs of today's market. Recent designs such as the STX series and the speakON Combo offer solutions for nearly every speaker application.

Integrated Design



One of Neutrik's goals is to create products that are easily distinguished from other manufacturers. We have successfully achieved this in our engineering efforts as well as the patent and trademark protection granted for our unique products. To further establish a clear difference between Neutrik and our competitor's products we give our customer the means to easily identify original Neutrik products. Therefore all of our new products such as the SPX and the STX series are designed according to the protected integrated design. (EU-Pat.: DM/057 379, US-Pat. Pending, CHINA-Pat.: 02305192.2 / 193.0/194.9 / 195.7)



Features & Benefits

Today's speakON series is a result of a continuous product improvement process. The principal idea has been kept and optimized with material and design modifications over the years.

A traditional speakON stands for:

- Reliable and robust, easy and fast to assemble
- 2, 4 and 8 pole cable and chassis connectors in various versions
- Optimal "Quick Lock" system for speaker applications
- Neutrik proven and unique chuck type cable strain relief
- Outstanding cost-performance ratio
- De facto standard
- Meets all worldwide safety requirements (IEC, UL, ...)

Beyond that, the latest designs as the SPX and STX series offer:

- Up to 50 A current rating
- Only 3 parts with 1 piece strain relief design for even easier assembly
- Convertable right-angle version
- Weatherproof and extremely robust







Chuck type strain relief



Right angle conversion



speakON° SPX Series 2 & 4 Pole Cable Connector



NL2FX



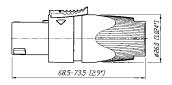
NL4FX



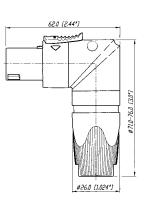
NL4FRX

- Current rating 40 A rms continuous
- Up to 50 A audio signal, duty cycle 50%
- Only 3 parts, easy to assemble
- High impact materials long-lasting and reliable
- Easy and extremely precise locking system "Quick Lock"
- Improved grip on latch
- 1 piece strain relief, chuck for 7 to 14.5 mm cable O.D.
- Color coding possible
- Improved screw-type termination for highest pull-out force
- Integrated design guarantees "Made by NEUTRIK®"

NL4FX

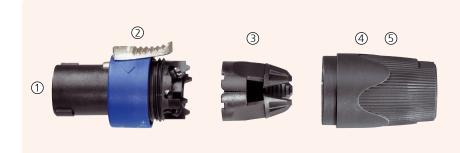


NL4FRX



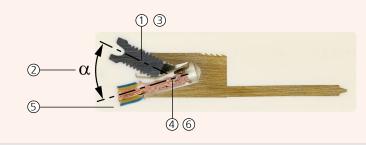
Design Criteria

This second generation of speakON connectors features higher current rating for the operation of high power speakers and amplifiers carrying more than 1'000 Watts. Only 3 parts make it fast and easy to assemble with a more reliable performance. Our unique design makes it possible to change easily and quickly from a straight connector to the right-angle version, even without disconnecting the cable.



- ① Easy and extremely precise locking system "Quick Lock"
- 2 Improved grip on latch
- ③ 1 piece strain relief, chuck for 7 to 14.5 mm cable O.D., with accessory NLRR 5-8 mm
- (4) Color coding possible
- (5) Integrated design guaranties "Made by NEUTRIK®"

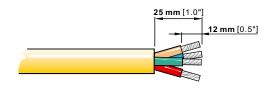
Improved SPX-Series screw contacts! (Wire position after assembly)



- ① Progressive clamping as wire is pushed forward
- 2 Acts as screw locking device due to side forces
- 3 Large combi drive M4 screw
- (4) Wire size 1.5 4 mm² (AWG 12) for 6 mm² (AWG 10) remove screw & solder
- (5) Pull out force > 200 N @ 80 cNm
- 6 Gas tight connection

Assembly

Prepare cable as shown.



HINT:

For easy wiring especially of thick cables, first screw on the inner contacts 1+ and 2+ and afterwards the outer contacts 1- and 2-!

Use screwdriver Pozidriv #1 only.









Quick lock



speakON° FC Cable Connector Series



NL4FC

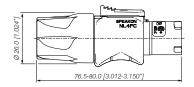
- 4 pole branded with unique hologram guarantees genuine and authentic Neutrik product
- Up to 30 A rms current rating
- Glass reinforced materials for housing and inserts
- Unique Neutrik chuck type strain relief
- Precise keyway for secure mating
- Accurate twist lock latching system
- 4 pole in new design with more ergonomic latch



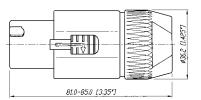
NL8FC



NL4FC



NL8FC







1/4" Jack adapter

Extention coupler

speakON® Adapter







NA4LJX

NL4MMX

NL4MMX:

Features permanent secure connection on a speakON cable connector using 2^{nd} lock.



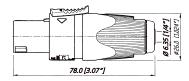
Secure Lock!

NL4MMX + NL4FX:

(locked on the cable)





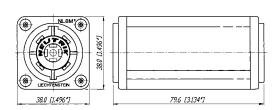


NL4MM





NL8MM



speakON



Reinforced locking area



Nickel housing



3/16" flat tabs



Vertical PCB mount



speakON° Chassis Connector











NL2MP

NL4MD-H-1

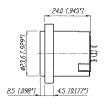
NL4MD-H-3

NL4MPR

NL8MPR

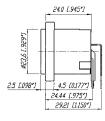
- Standard version up to 30 A rms, ultra high current version up to 50 A audio current
- Glass reinforced materials
- Precise keyway for secure mating
- Accurate twist lock latching system
- Metal front plate (8 pole) or metal insert in locking area (2 & 4 pole)
- Various mounting and wiring possibilities
- "Air tight design", optimized for speaker applications
- D or G panel cutouts to be easily mounted on audio industry standard panels
- 4 pole branded with unique hologram

NL4MD-V



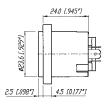


NL4MD-H



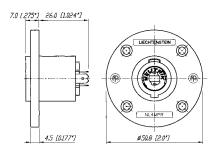


NL4MP

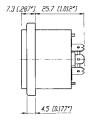




NL4MPR



NL8MPR









PCB solder pins



Locking key

speakON® Combo





NLJ2MD-V

- D-size flange
- Compatible PCB layout and panel mount to NL4MD-V-1 (NL4MD-H)
- Cost saving combines two connectors in one housing
- Mates with all 2, 4 pole speakON® and 1/4" Phone Plugs
- PA-wiring: 1+ is connected to TIP, 1- to the SLEEVE
- PCB layout of NLJ2MD-V is compatible with NL4MD-V and PCB layout of NLJ2MD-H is compatible with NL4MD-H



NLJ2MD-V











Latch lock



XL-solder contacts



Protected latch

speakON° STX Series Cable Connectors



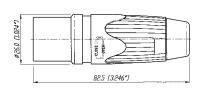
- Up to 50 A current rating
- Robust and durable all metal housing
- Sealing ring provides weatherproof IP 54 rating in mated condition on 4 pole version
- Reinforced metal quick lock system for ease and precise locking
- Extra large solder contacts for up to 6 mm² (AWG 10) wires
- Compatible with all available speakON products
 - 1 Easy and extremely precise locking system "quick look", reinforced with metal
 - ② Improved grip on latch
 - 3 1 piece strain relief, chuck for cables from 9 to 16 mm O.D.
 - 4 Extreme rugged "Touring Approved"

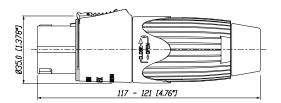
 - S Rubber sealing bootIntegrated Design garanties "Made by NEUTRIK®"
 - 7 X-large solder contacts for up to 6 mm² (AWG 10) wires



NLT8FX

NLT4MX







Robust metal housing



XL-solder contacts



1/4" flat tabs



speakON° STX Series Chassis Connectors









NLT4FP-BAG

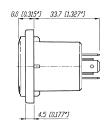
NLT4MD-V

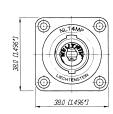
NLT4MP-BAG

NLT8MP-BAG

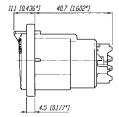
- Extremely robust metal housing designed for harsh and demanding environment
- Weatherproof design features sealing gaskets
- 4 type range also male cable connector and female receptacle on 4 pole version
- All-metal housing makes the STX Series rugged and durable
- Weatherproof built-in gasket meets IP 54 protection class (4 pole)
- Ideal product for touring applications and harsh environments
- Best electrical performance up to 50 A audio current
- Uses precise "Quick Lock" system
- Compatible with all currently available speakON products
- 4 pole version has UL recognized components, CSA listed

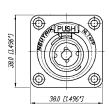
NLT4MP



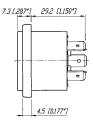


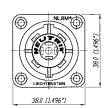
NLT4FP





NLT8MP





	SPX Series Cable Con.	STX Series Cable Con.	speakON FC Cable Con	speakON Chassis + Combo	Adapter	STX Series Chassis
	2 + 4	4 + 8	4 + 8	2, 4, 8	2, 4, 8	4 + 8
40 A rms continuous	•	•	30 A			•
	•	•	_		_	_
	. •	•	40 A		30 A	•
	-	_	-	•	-	_
	•	•	•		•	•
						•
						>100MΩ
						>1001VI22
•	•	•	•	•		•
1.5 ку реак	-	-	-	-		-
Quick lock (latch)	•	•	•	•	•	•
> 5'000	•	•	•	•	•	•
2 pole	6 - 10	-	-	-	-	-
4 pole	7 - 14.5	9 - 16	6 - 15	-	-	-
8 pole	-	8 - 20	8 - 20	-	-	-
	4 mm ² (AWG 12)	-	4 mm ² (AWG 12)	• (ST)	_	-
	6 mm ² (AWG 10)	6 mm ² (AWG 10)	4 mm ² (AWG 12)	• ` `	-	•
3		-	-	•	_	-
		-	-	● (UC)	_	•
	-	_	_	, ,	_	•
		_	_		_	
	•	•	•	-	-	-
				•	•	-
	•	-	-	-	-	-
	(8 pole)	•	-	-	-	•
•	-	•	-	-	•	•
PBTP 20% GR	•	-	•	-	-	-
Brass (CuZn39Pb3)	•	•	•	-	-	-
Bronze (CuSn6)	-	-	-	•	•	-
Spring copper	-	•	-	● (UC)	-	•
4 μm Ag	•	•	•	•	•	•
Zinc diecast (ZnAI4Cu1)	•	•	•	-	-	• (FP)
Polyacetal (POM)	•	•	•	-	-	-
Polyamide (PA 6 15% GR)	•	•	•	-	-	-
-30 °C to ±80 °C		•		•	•	•
	-	•	-	-	-	•
IP 50 (8 pole, mated cond.)	-	•	-	-	-	•
	•	•	•*	•	•	•
UL94HB (*: UL94 V-0)	•					
UL94HB (*: UL94 V-0) IP2X/IEC 61984	•	•	•	•	•	•
IP2X/IEC 61984			•	•	•	
	•	• 4 pole •				• 4 pole
	25 A (4 pole) rms continuous 50 A audiosignal, duty cycle 50% 15 A rms continuous 250 V ac < 2 mΩ > 1 GΩ 4 kV peak 1.5 kV peak Quick lock (latch) > 5'000 2 pole 4 pole 8 pole screw type terminals soldering flat tabs for 3/16"FASTON® (4.8 x 0.5 r flat tabs for 1/4" FASTON® (6.3 x 0.8 r PCB-version Combo Jack: ≤ 20 N / > 10 N ≥ 220 N* Polyamide PA 6 30% GR PBTP 20% GR Zinc diecast (ZnAl4Cu1) Polyamide PA 6 30% GR PBTP 20% GR Brass (CuZn39Pb3) Bronze (CuSn6) Spring copper 4 μm Ag Zinc diecast (ZnAl4Cu1) Polyacetal (POM)	2 + 4 40 A rms continuous 25 A (4 pole) rms continuous 50 A audiosignal, duty cycle 50% 15 A rms continuous - 250 V ac < 2 mΩ > 1 GΩ 4 kV peak 1.5 kV peak - Quick lock (latch) > 5'000 2 pole 4 pole 7 - 14.5 8 pole screw type terminals 8 pole screw type terminals 4 mm² (AWG 12) soldering 6 mm² (AWG 10) flat tabs for 3/16"FASTON® (6.3 x 0.8 mm) - PCB-version Combo Jack: ≤ 20 N / > 10 N ≥ 220 N* Polyamide PA 6 30% GR PBTP 20% GR	2 + 4 4 + 8 40 A rms continuous 25 A (4 pole) rms continuous 50 A audiosignal, duty cycle 50% 15 A rms continuous 250 V ac < 2 mΩ > 1 GΩ	40 A rms continuous 25 A (4 pole) rms continuous 50 A audiosignal, duty cycle 50% 15 A rms continuous 250 V ac 2750 V ac 275	2 + 4	2 + 4

Ordering Information

Ordering Information Cable Connectors

SPX Series		
NL2FX	2 pole	Cable connector with chuck and blue bushing, intermates with 4 pole chassis connector and makes contact with +1/-1
NL4FX	4 pole	Cable connector with chuck and black bushing
NL4FX-2	4 pole	Cable connector with chuck and red bushing
NL4FX-4	4 pole	Cable connector with chuck and yellow bushing
NL4FX-5	4 pole	Cable connector with chuck and green bushing
NL4FX-9	4 pole	Cable connector with chuck and white bushing
NL4FRX	4 pole	Right-angle cable connector with chuck and black bushing
FC Series		
NL4FC	4 pole	Cable connector with latch lock
NL8FC	8 pole	Cable connector with latch lock
Adapters		
NA4LJX	4/2 pole	Adapter from speakON cable connector to 2 pole 1/4" Jack, wiring: +1 to TIP and -1 to SLEEVE
NL4MMX	4 pole	Lockable coupler to extend two 4 pole cables
NL8MM-BAG	8 pole	Coupler to extend two 8-pole cables, black-chrome metal housing, chuck and bushing
STX Series		
NLT4FX	4 pole	Female cable connector,nickel metal housing, chuck and bushing
NLT4FX-BAG	4 pole	Female cable connector, black-chrome metal housing, chuck and bushing
NLT4MX	4 pole	Male cable connector, nickel metal housing, chuck and bushing
NLT4MX-BAG	4 pole	Male cable connector, black-chrome metal housing, chuck and bushing
NLT8FX	8 pole	Female cable connector, nickel metal housing, chuck and bushing
NLT8FX-BAG	8 pole	Female cable connector, black-chrome metal housing, chuck and bushing
NLT8MX-BAG	8 pole	Male cable connector, black-chrome metal housing, chuck and bushing

Accessories











SPX Series				
LCR-*	Colored coding rings for the right-angle version of the SPX Series.			
	Available in blue (Standard), white, red, green and yellow.			
LRX	Right-angle speakON conversion kit for changing the straight connector into a right-angel version without			
	removing the cable from the insert.			
NLRR	Strain relief reduction ring for NL4FX for thin loudspeaker cables with an O.D. of 5 to 8 mm			
HTFAC	Hand tool for tightening the bushing of the speakON NL4FC and the powerCON 20A cable connectors.			
FC Series				
BSL-*	Colored 2 component bushing for NL4FC			
	*: 0 - Black, 1- Brown, 2 - Red, 3 - Orange, 4 - Yellow, 5 - Green, 6 - Blue, 7 - Violet, 8 - Grey, 9 - White; Must be ordered in multiples of 100.			

Ordering Information

Ordering Information Chassis Connectors

Flange layout:						Hole layout:		
st	-size andard ole	D-size mirrore position	d hole (€		G-size flange with four holes	Thru holes	Self ta screw (A-scr	holes thread
(A)	Jie	В	©		noies	D	(A-3CI)	F
	Pole	Flange size Flang	ge layout	Hole layout	Color	Wiring	Remarks	
Traditionall	y							
NL2MP	2	D-size	А	D	black	3/16" flat tabs*	Does not intermate	with 4-pole cable connector
NL2MD-H	2	D-size	A	D	grey	horizontal PCB		with 4-pole cable connector
NL2MD-V	2	D-size	A	D	black	vertical PCB		with 4-pole cable connector
NL4MP	4	D-size	A	D	black	3/16" flat tabs*	Does not internate	With 4 pole cable connector
NL4MP-1	4	D-size	A	E	grey	3/16" flat tabs*		
NL4MP-2	4	D-size	В	E	black	3/16" flat tabs*		
NL4MP-3	4	D-size	A	Ē	black	3/16" flat tabs*		
NL4MP-M3	4	D-size	A	F	black	3/16" flat tabs*		
NL4MD-H	4	D-size	Α	Ē	grey	horizontal PCB		
NL4MD-H-1	4	D-size	A	D	black	horizontal PCB		
NL4MD-H-2	4	D-size	В	E	black	horizontal PCB		
NL4MD-H-3	4	D-size	A	E	black	horizontal PCB		
NL4MD-V	4	D-size	А	D	black	vertical PCB		
NL4MD-V-1	4	D-size	А	E	grey	vertical PCB		
NL4MD-V-2	4	D-size	В	E	black	vertical PCB		
NL4MD-V-S	4	D-size	Α	Е	black	vertical PCB	switched contact	ts
NL4MP-ST	4	D-size	А	D	black	screw terminal		
NL4MP-UC	4	D-size	А	D	black	1/4" flat tabs*	Ultra high curren	it, up to 40 A rms
NL4MPR	4	round G-size flange	C	D	black	3/16" flat tabs*		
NL8MD-V	8	square G-size flange	C	D	Ni	vertical PCB		
NL8MD-V-BAG	8	square G-size flange	C	D	black chrome	vertical PCB		
NL8MD-V-1	8	square G-size flange	C	E	Ni	vertical PCB		
NL8MPR	8	square G-size flange	C	D	Ni	3/16" flat tabs*		
NL8MPR-BAG	8	square G-size flange	С	D	black chrome	3/16" flat tabs*		
STX Series								
NLT4MP	4	square G-size flange	С	D	nickel	1/4" flat tabs*		
NLT4MP-BAG	4	square G-size flange	C	D	black chrome	1/4" flat tabs*		
NLT4MD-V	4	square G-size flange	C	E	nickel	vertical PCB		
NLT4MD-V-1	4	square G-size flange	C	D	nickel	vertical PCB		
NLT4FP	4	square G-size flange	C	D	nickel	solder contacts		
NLT4FP-BAG	4	square G-size flange	Č	D	black chrome	solder contacts		
NLT4FD-V-BAG		square G-size flange	C	D	black chrome	vertical PCB		
NLT8MP	8	square G-size flange	C	D	nickel	1/4" flat tabs*		
NLT8MP-BAG	8	square G-size flange	C	D	black chrome	1/4" flat tabs*		
NLT8FP-BAG	8	square G-size flange	C	D	black chrome	solder contacts		

^{*:} flat tabs to be used with FASTON® connectors or to solder the wire (FASTON® is a trademark of AMP Inc.)



Ordering Information

Ordering Information Chassis Connectors

	Pole	Flange size	Flange layout	Hole layout	Color	Wiring	Remarks
Combo Serie	es						
NLJ2MD-V	2	D-size	Α	E	green	vertical PCB	
NLJ2MD-V-1	2	D-size	Α	Е	grey	vertical PCB	
NLJ2MD-H	2	D-size	А	Е	green	horizontal PCB	

Accessories







NZP1RU-12

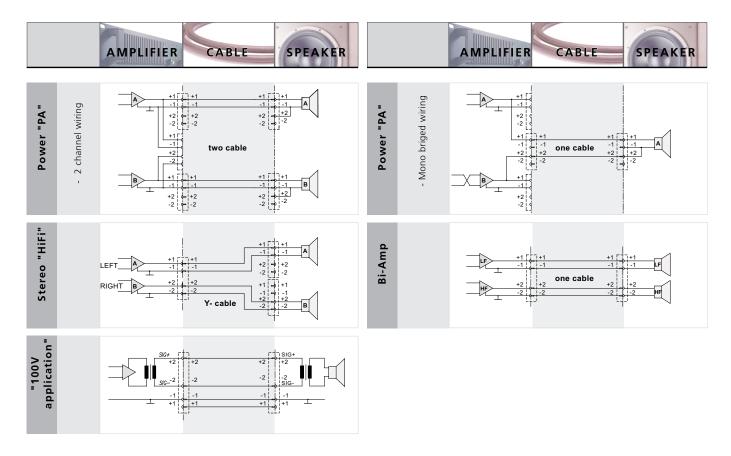
A-Screw-1-8	Black self tapping PLASTITE® screw 2.9 x 8 for rear panel mount
NLFASTON	FASTON® receptacle for tabs with "positiv lock" for use with NL4MP, NL4MPR, NL8MPR, Pack of 100 pcs.
MFD	M3 mounting frame for D-size chassis
NDL	dummyPLUG for 2 & 4 Pole chassis connector
NZP1RU-8	Panel 1RU housing with 8 D-shape cutouts
NZP1RU-12	Panel 1RU housing with 12 D-shape cutouts
SCL	Plastic sealing cover to protect the connectors against dust and moisture
SCDR	Rear end protection cover for D-size chassis connectors
SCDP-*	D-Size sealing gaskets, color coding
SCDX	Hinged cover seals D-size chassis connectors, IP 42 rated
SCCD-W	Spring-loaded cover to seals for D-size chassis Connectors, IP 65 rated
SCNLT	Gasket for NLT4MP
	(To make a cabinet with an Amphenol EP cutout airtight, use the rubber sealing which covers the entire hole.)
	(*: 0- black, 2- red, 4- yellow, 5- green, 6- blue, 9- white)

Wiring Suggestion

Positive signal on speaker pin "+" produces positive waveform from driver (moves cone outwards)

"+" = In phase (high) "-" = Ground (out of phase, low) Lower numbers for lower frequencies.

	AMPLIFIER	CABLE	SPEAKER
Stereo ("HiFi")	one NL4MP socket left channel pins 1+/1- right channel pins 2+/2-	NL4FC on amplifier end, four conductor cable splits into two pairs with NL4FX on each end	one NL4MP per speaker left speaker pins 1+/1- right speaker pins 2+/2-
POWER ("PA") Standard	three NL4MP sockets "A" socket: left channel pins 1+/1- "B" socket: right channel pins 1+/1-	a two-conductor cable for each channel with NL4FX on both ends	NL4MP pins 1+ to speaker coil "+" NL4MP pins 1- and 2+ to speaker coil "-"
Bridged mono	"M" socket: left channel pins 1+/1- right channel pins 2+/2-	a special two-conductor cable, on both ends wired to pin 1+/2+ of NL4FX	NL4MP pin 1+ to speaker coil "+" NL4MP pins 1- and 2+ to speaker coil "-"
Bi-Amp	one NL4MP socket low frequency pins 1+/1- high frequency pins 2+/2-	a four-conductor cable on both ends wired to pins 1+/1-, 2+/2- of NL4FX	one NL4MP socket low frequency pins 1+/1- high frequency pins 2+/2-
4 Way System	one NL8MPR socket low frequency pins 1+/1- low mid frequency pins 2+/2- high mid frequency pins 3+/3- high frequency pins 4+/4-	an eight-conductor cable wired on both ends to pins 1+/1-, 2+/2-, 3+/3-, 4+/4- of NL8FC	one NL8MPR socket low frequency pins 1+/1- low mid frequency pins 2+/2- high mid frequency pins 3+/3- high frequency pins 4+/4-



Definitions, Abbreviations & Useful Information

ELEMENTS

Ag	Silver
Al	Aluminium
Au	Gold
Со	Cobalt
Cr	Chromium
Cu	Copper
Ni	Nickel
P	Phosphorus
Pb	Lead
Pd	Palladium
Sn	Tin
Zn	Zinc
SS	Stainless Steel

ALLOYS, PLASTICS, POLYMERS

Brass (Alloy)	CuZn39Pb3
Bronze (Alloy)	CuSn6
Ck 67	Carbon Steel
EPDM	Ethylene Propylene
GR	Glass Reinforced
PA	Polyamide
PBTP	Polybutylene Terephthalate
POM	Polyacetal
PTFE	PolyTetraFluoroEthylene (TEFLON)
PUR	Polyurethane

MEASUREMENT LEGEND

N	Newton	
Ω	Ohm	
μ	Micro	
OD	Outside Diameter	
m	Meter(s)	
k	Kilo	

ENGLISH TO METRIC CONVERSIONS

1/8 inch	3.175	millimeters (mm)	
1/4 inch	6.35	millimeters (mm)	
1 inch	25.4	millimeters (mm)	
	2.54 cm	1 inch	
1 foot	30.48	centimeters (cm)	
	0.305	meter (m)	
6 foot	1.828	meters (m)	
50 foot	15.24	meters (m)	
100 foot	30.48	meters (m)	
1000 foot	304.8	meters (m)	

METRIC TO ENGLISH CONVERSIONS

1 centimeter	0.3937	inches
1 meter	39.37	inches
3.281 meter	10	feet
10 meters	32.808	feet
50 meters	164.041	feet
100 meters	328 084	feet

OTHER ABBREVIATIONS

UL®	Underwriters Laboratories		
IP Rating	Ingress Protection rating for objects and		
	water ACC IEC529/EN60529		
IEC	International Electrotechnical Commission		
	is the international standards and		
	conformity assessment body for all fields		
	of electrotechnology		
<i>71</i> 2	UL Recognized Component Mark		

10	ENEC – European norms electrical
	certification, demonstrates compliance
	with European safety standards.
Ø ^V E	VDE Association for Electrical, Electronic
	and Information Technologies e.V.
AWG	American Wire Gauge

NEUTRIK, crystalCON°, etherCON°, maxCON°, miniCON°, nanoCON°, neutriCON°, opticalCON°, powerCON°, Profi°, rearTWIST°, silentPLUG°, speakON°, TOP°, DiWA°, XIRIUM°, are registered trademarks of Neutrik AG.

Neutrik[®] Part Number Guide

NC3FAH1-B-0-D					
		Packaging:	D	Cable connector: bulk packed	
		Assembly:	D	Chassis connector: disassembled push latch	
		Retention:	w/o	Latch lock	
			-0	Retention spring	
			-DA	Asymmetric PUSH	
		Shell:	В	Black shell, gold contacts	
			BAG	Black shell, silver contacts	
		Grounding:	0	Separate ground contact connected to shell, male only	
			1	Pin 1 & panel & shell connected, no separate ground contact	
			2	Separate ground contact connected to shell & panel, separate Pin 1	
			E	Additional ground contacts	
			w/o number	No ground/shell contact (except 4/5 pole), female only	
		Termination:	Н	Horizontal PCB mount	
			HL	Laterial left PCB mount	
			HR	Laterial right PCB mount	
			L	Solder cups	
			V	Verticale PCB mount	
			Υ	IDC for wires (no ground)	
			М3	Mounting holes with M3 thread	
			M25	Mounting holes with M2.5 thread	
			•	Not applicable	
		Series:		DLX, MPR, P, PX, RX, X, XX	
		Gender:	F	Female	
			M	Male	
		Number of Contact			
		Connector Type:	A	Adapter	
			AC	powerCON	
			В	BNC	
			C	XLR	
			D	dummyPLUG	
			E F	etherCON - RJ45 RCA / CINCH	
			J (MJ, RJ, SJ)	Jack	
			K (W13, K3, S3)	Cable Assembly	
			L	speakON - Loudspeaker	
			M	Module	
			0	opticalCON - Fiber Optic Connector	
			P	Plug	
			PP	Patch Panel	
			R	Circular Connector	
			T	Transformer	
			TOP	True Outdoor Protection	
			Definitions, abb	reviations & useful information see page 17.	
			,		

Neutrik Product Line





The premium brand of the Neutrik Group

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