Neutrik® Part Number Guide

NC3FAH1-0-X

Shell:	**B**	Black shell, gold contacts
	BAG	Black shell, silver contacts
Retention:	**w/o**	Latch Lock
	-0	Retention Spring
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:	**H**	Horizontal PCB mount
	HL	Laterial left PCB mount
	HR	Laterial right PCB mount
	L	Solder Cups
	V	Verticale PCB mount
	Y	IDC for wires (no ground)
	M3	Mounting holes with M3 thread
	M25	Mounting holes with M2.5 thread
	-	Not applicable
Series:	**A, AA, B, BA, D, DL, DLX, MPR, P, X, XX**	
Gender:	**F**	Female
	M	Male
Number of Contacts:	**3, 4, 5, 6, 7, 8, 12**	
Connector Type:	**A**	Adapter
	AC	PowerCon®
	B	BNC
	C	Connector
	E	RJ45
	F	RCA / CINCH
	J (MJ, RJ, SJ)	Jack
	K	Cable Assemblies
	L	Loudspeaker
	M	Modules
	O	Fiber Connector
	P	Plugs
	PP	Patch Panel
	R	Circular Connector
	T	Transformer

XLR Connectors

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Introduction

The XLR connector series is probably together with the Speakon® series Neutrik's most known product range and has due to the simple but striking concept been one of the most important keys to our great success.
We introduced the first XLR version more than 25 years ago, meanwhile it became the worldwide accepted standard.
XLR connectors are widely used in various applications of the professional audio world. Whether as microphone connector, on lighting applications or any kind of sound equipment, the XLR is all over the entertainment industry.

Keyfeatures are:
- Reliable and robust
- Easy to assemble, simple to use
- Excellent cable protection and retention
- Colour coding
- Available in 3 to 7 pole

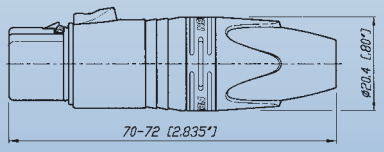
The reason for the outstanding success of the series is in accompany with these features a constant and peerless quality.

XX Series

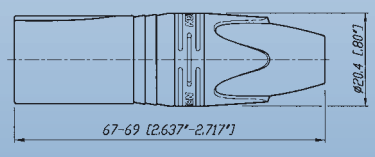
NC3FXX NC3MXX-B

- The next generation of the worldwide accepted standard
- Unique cage type female contact - increases conductivity
- Female contact with “solder stop” for ease soldering
- Male connector without locking “window” - more stringent housing, increases durability
- Improved chuck type strain relief - increases retention force and makes assembly easier and faster
- New ground contact - excellent contact integrity between chassis and cable connector
- Customized branding using translucent ring
- Sleek and ergonomic design - valuable and handy

NC*FXX



NC*MXX



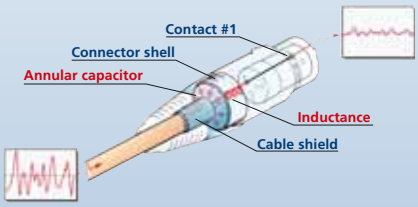
* ... 3 - 7 contacts

EMC-XLR Series

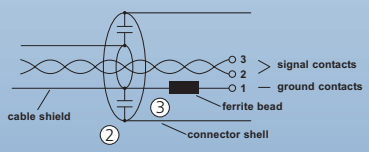
NC3FXX-EMC NC3MXX-EMC

- 3-pole male / female XLR cable connector with integrated capacitive shield to shell connection to avoid RF-interference and LF-noise
- 360° shield contact on female connector ensures best possible shielding and chassis contact
- Patent pending

①



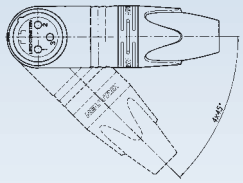
① Design guarantees a continuous RF-shield connection but avoids ground loops (no LF-shield connection)
② Circular capacitor enables low-inductive shield connection to connector housing
③ Cable shield - PIN 1 connection includes EMI suppression bead (blocks high frequencies)



RX Series

NEW

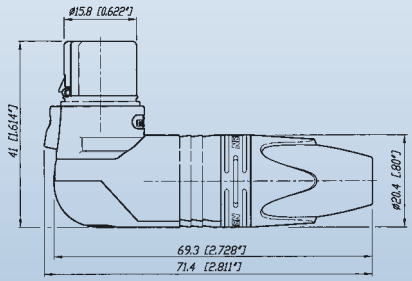
NC3FRX



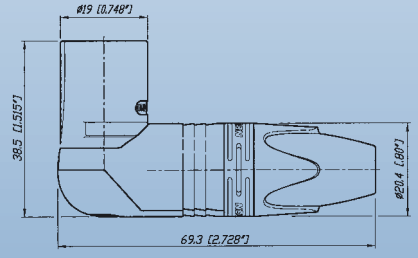
Outlet position

- Right angle version of the XX Series - only 20 mm wide
- Extra slim right-angle connector
- Neutrik chuck type strain relief
- 5 selectable cable outlet positions

NC*FRX



NC*MRX



* ... 3 - 7 contacts

XX-HE Series

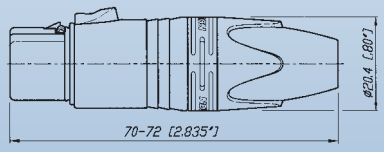
NEW

NC3FXX-HE

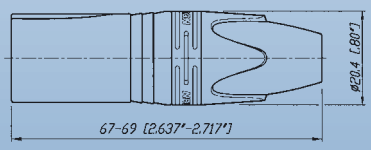
NC3MXX-HE

- Exclusive version of standard XX Series
- Valuable velour chromium plating
- Extra high temperature resistant insulator material
- Machined female contacts

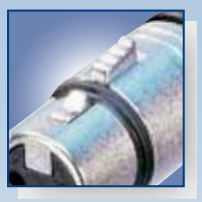
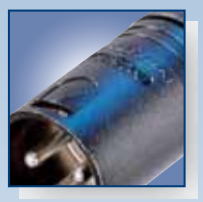
NC3FXX-HE

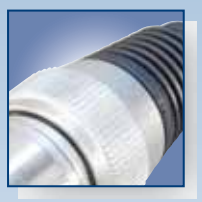


NC3MXX-HE



Look for the Logo



X Series

NC3FX NC3MX

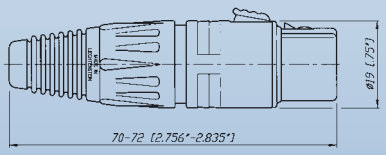
- The worldwide accepted XLR connector standard
- Rugged diecast shell
- Compact design (shortest available XLR cable connector)
- Time saving assembly – 4 parts only, no screws
- Neutrik unique chuck type strain relief
- Gold or silver plated contacts
- UL Recognized components
- Available in 3 - 7 pin configuration

X-HD Series

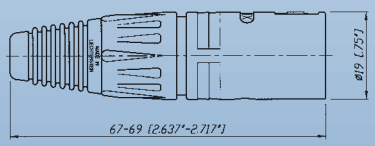
NC5FX-HD NC4MX-HD

- "Heavy duty" cable connectors for outdoor use
- All metal design, male stainless steel
- NC*FX-HD mates with NC*MPR-HD chassis connector and NC*MX-HD
- Dust and water protected according IP 65 in mated condition
- Available in 3 - 5 pin configuration

NC*FX

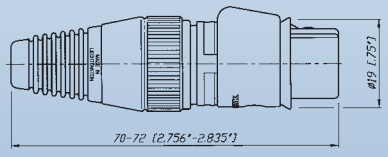


NC*MX

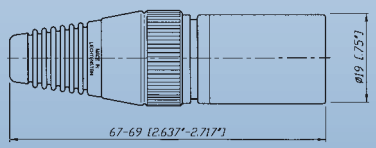


* ... 3 - 7 contacts

NC*FX-HD



NC*MX-HD



* ... 3 - 5 contacts

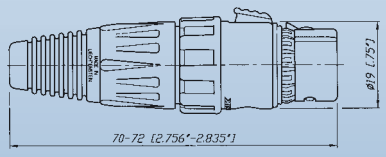
to identify the original

XCC Series

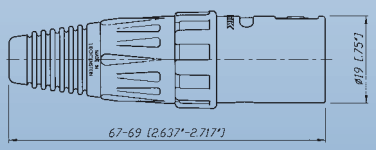
NC3FXCC

- 3 pole cable connector with a circumferential shield contact for best EMI protection
- Featuring a coaxial ground spring and coaxial hex crimp ferrule at the cable entrance for proper and reliable transition of the cable shield to the shell
- Zebra coding ring to indicate digital AES signals included

NC3FXCC



NC3MXCC

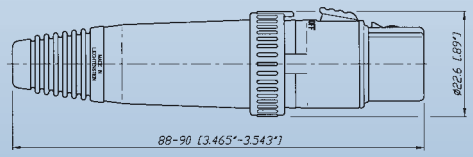


FXS Series

NC3FXS

- FX connector with noiseless ON-OFF switch short-circuiting contacts 2 + 3
- For use on a microphone without switch

NC3FXS

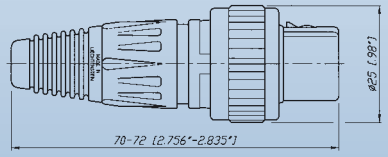


FX-SPEC Series

NC3FX-SPEC

- Solid female cable connector with locking ring for highest security of connection
- Uninterrupted EMI protection
- Protect against accidental disconnects
- Thief-prove, grub screw secure connector onto microphone or gooseneck
- Avoids movements and noises

NC3FX-SPEC



Specification		XX Series	EMC Series	X Series	XCC Series	X-HD Series	FXS Series	XX-HE Series	FX-SPEC Series	RX Series
Electrical										
Number of contacts		3 - 7	3	3 - 7	3	3 - 5	3	3	3	3 - 7
Contact resistance	≤ 3 mΩ	●	●	●	●	●	●	●	●	●
Insulation resistance - initial:	> 2 GΩ	●	●	●	●	●	●	●	●	●
- after damp heat test:	> 1 GΩ	●	●	●	●	●	●	●	●	●
Dielectric strength	1500 V dc	●	●	●	●	●	●	●	●	●
Cable shield-shell connection	choosable	●	-	●	-	●	-	●	●	●
	determined	-	capacitive	-	crimp	-	-	-	-	-
Shielding effectiveness	> 55 dB @ 1.3 GHz	-	●	-	●	-	-	-	-	-
Lossy ferrite bead on PIN 1		-	●	-	-	-	-	-	-	-
Rated current per contact @ 35°C										
3 pole:	16 A	●	5 A	●	●	●	●	●	●	●
4 pole:	10 A	●	-	●	-	●	-	-	-	●
5, 6 pole:	7.5 A	●	-	●	-	●	-	-	-	●
7 pole:	5 A	●	-	●	-	-	-	-	-	●
Capacitance between contacts										
3 pole:	≤ 4 pF	●	●	●	●	●	●	●	●	●
4, 5, 6 pole:	≤ 7 pF	●	-	●	-	●	-	-	-	●
7 pole:	≤ 9 pF	●	-	●	-	-	-	-	-	●
Rated Voltage	50 V ac	●	●	●	●	●	●	●	●	●
Mechanical										
Lifetime > 1`000 cycles		●	●	●	●	●	●	●	●	●
Insertion / withdrawal force ≤ 20 N		●	●	●	●	●	●	●	●	●
Cable O.D. range	3.5 - 8.0 mm	●	-	●	5.4 - 6.2 mm	●	●	●	●	●
Max. wire size 3 pole:	2.5 mm² / AWG 14	●	AWG 20	●	●	●	●	●	●	●
4 pole:	1.5 mm² / AWG 16	●	-	●	-	●	-	-	-	●
5, 6, 7 pole:	1.0 mm² / AWG 18	●	-	●	-	●	-	-	-	●
Crimp tool: 6.5 mm Hex die (size "E" acc. to IEC 60803)		-	-	-	●	-	-	-	-	-
Material										
Shell	Zinc diecast (ZnAl4Cu1)	●	●	●	●	-	●	●	●	●
	(gal Ni or black Cr)	●	gal Ni	●	●	black Cr	●	●	●	●
	Stainless steel	-	-	-	-	●	-	-	-	-
Insert	Polyamide PA 6.6 30% GR	●	●	●	●	●	●	●	●	●
Contacts - female 3 pole:	Bronze (CuSn8)	●	●	●	●	●	●	●	●	●
- female 4 - 7 pole & male:	Brass (CuZn39Pb3)	●	-	●	●	●	-	●	-	●
Contact surface Silver	gal 2 µm Ag	●	Au	●	●	Au	●	●	●	●
or Gold	gal 0.2 µm Au hard alloy over 2 µm Ni									
Latch lock St3K32 (latch) / Ck 67 (spring)		-	-	●	●	●	●	-	●	-
	Zinc diecast (ZnAl4Cu1)	●	●	-	-	-	-	●	-	●
Strain-relief clamp	POM	●	●	●	●	●	●	●	●	●
Bushing	PA / PU	●	●	●	●	PU	PU	●	●	●
Circumferential ground spring	Bronze (CuSn6), Ni plated	-	●	-	●	-	-	-	-	-
Crimp ferrule	Brass (CuZn39Pb3), Ni plated	-	-	-	●	-	-	-	-	-
Coding ring	Polyamide PA 6 15% GR	-	-	-	●	-	-	-	-	-
Sealing jacket	EPDM	-	-	-	-	●	-	-	-	-
Securing ring	Brass (CuZn39Pb3)	-	-	-	-	-	-	-	●	-
Environmental										
Operating temperature	-30°C to +80°C	●	●	●	●	●	●	●	●	●
Flammability	UL 94 HB	●	●	●	●	●	●	●	●	●
Protection class	IP 40	●	●	●	●	IP 65	●	●	●	●
Solderability complies with IEC 68-2-20		●	●	●	●	●	●	●	●	●
Manufacturing Standard IEC 61076-2-103		●	●	●	●	●	●	●	●	●

Ordering Information for Cable Connectors

Female	Male	Shell	Contact - plating	3 pole	4 pole	5 pole	6 pole	7 pole
XX Series								
NC*FXX	NC*MXX	Nickel	Silver	●	●	●	●	●
NC*FXX-B	NC*MXX-B	Black Cr	Gold	●	●	●	●	●
NC*FXX-BAG	NC*MXX-BAG	Black Cr	Silver	●	●	●	●	●
NC3FXX-**-D[1]	NC3MXX-**-D[1]	Nickel / Black Cr	Silver / Gold	●	-	-	-	-
XX-EMC Series								
NC3FXX-EMC	NC3MXX-EMC	Nickel	Gold	●	-	-	-	-
NC3FXX-EMC-B	-	Black Cr	Gold	●	-	-	-	-
X Series								
NC*FX	NC*MX	Nickel	Silver	●	●	●	●	●
NC*FX-B	NC*MX-B	Black Cr	Gold	●	●	●	●	●
NC*FX-BAG	NC*MX-BAG	Black Cr	Silver	●	●	●	●	●
NC3FX-**-D[1]	NC3MX-**-D[1]	Nickel / Black Cr	Silver / Gold	●	-	-	-	-
NC6FSX[2]	NC6MSX[2]	Nickel	Silver	-	-	-	●	-
NC6FSX-B[2]	NC6MSX-B[2]	Black Cr	Gold	-	-	-	●	-
NC6FSX-BAG[2]	NC6MSX-BAG[2]	Black Cr	Silver	-	-	-	●	-
RX Series								
NC*FRX	NC*MRX	Nickel	Silver	●	●	●	●	●
NC*FRX-B	NC*MRX-B	Black Cr	Gold	●	●	●	●	●
NC*FRX-BAG	NC*MRX-BAG	Black Cr	Silver	●	●	●	●	●
XX-HE Series								
NC3FXX-HE	NC3MXX-HE	Velour Chromium	Gold	●	-	-	-	-
FXS Series								
NC3FXS	-	Nickel	Gold	●	-	-	-	-
NC3FXS-B	-	Black Cr	Gold	●	-	-	-	-
FX-SPEC Series								
NC3FX-SPEC	-	Black Cr	Silver	●	-	-	-	-
XCC Series								
NC3FXCC	NC3MXCC	Nickel	Gold	●	-	-	-	-
X-HD Series								
NC*FX-HD	NC*MX-HD	Nickel	Gold	●	●	●	-	-
NC3FX-HD-B	NC3MX-HD-B	Metal Black	Gold	●	-	-	-	-

Accessories and Assembly Tools

Detailed information on page 21 and 26.

* ..... Number of Contacts
** ..... Nickel or Black
–D[1] .... Bulk packed, to be ordered in multiples of 100 pcs.
[2] ..... Switchcraft Equivalent

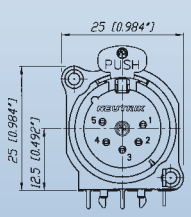
A Series

NC3FAH1

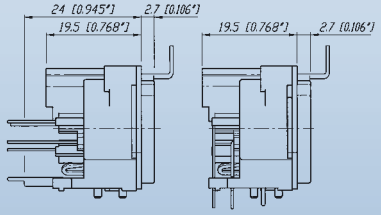
NC3MAHR

- Smallest XLR receptacles, highest packing density
- Plastic housing, steel retention lug
- Fork type female contacts
- Polished contact areas and hard gold plating
- Various grounding options

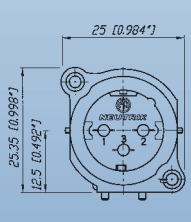
NC5FAV



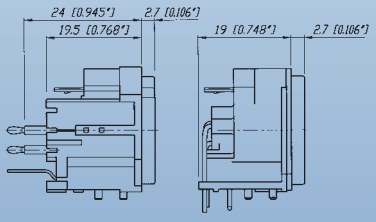
NC5FAH



NC3MAV-0



NC5MAH



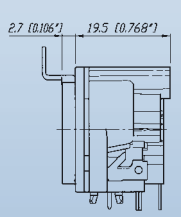
AA Series

NC3FAAV2

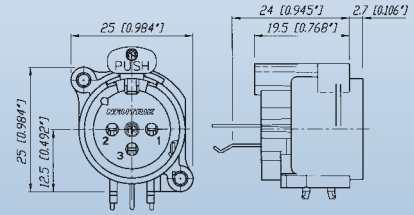
NC3MAAH-1

- Front panel cutout and PCB layout 100% compatible to the A Series
- Most cost-effective series
- "Tulip"type female contact design with high contact pressure
- Selective gold plated contact and PCB termination area for best conductivity and solderability
- Plastic housing flammability UL 94 HB

NC3FAAH



NC3FAAV-0



Grounding Options (A / AA / B / BA Series):

1 ... Pin 1 & Panel & Shell connected, no separate ground contact

2 ... Separate ground contact connected to shell & panel, separate Pin 1

w/o number: No ground / Shell contact (except 4 / 5 pole)

to identify the original

B Series

NC3FBV

NC3MBV

- Same as A Series with exception of a metal mounting flange enabling continuous circumferential ground contact to chassis for best EMC and RF protection
- Fastening with B-screw

BA Series

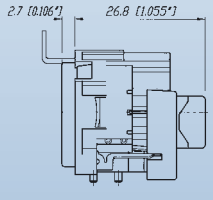
NEW

NC3FBAV2

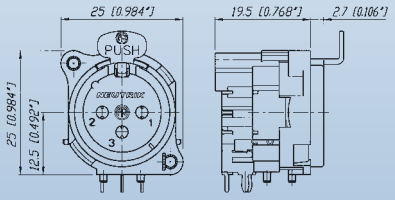
NC3MBAH

- More economical version of B Series with modified metal flange
- Fastening with A-screw
- 3, 4 and 5 pole version

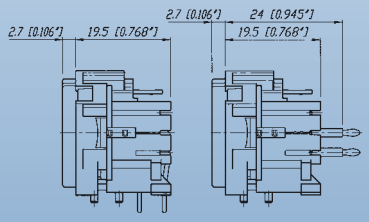
NC3FBY



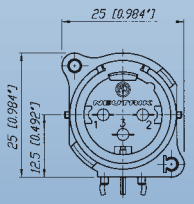
NC3FBH1



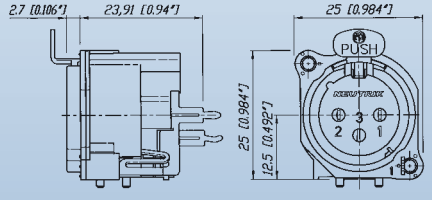
NC3MBH



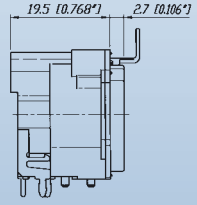
NC3MBV



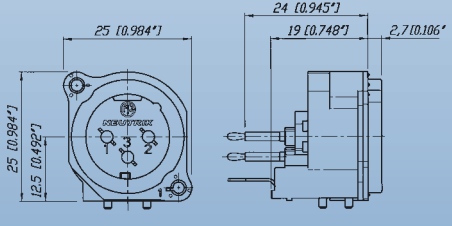
NC3FBAV



NC3FBAH



NC3MBAV



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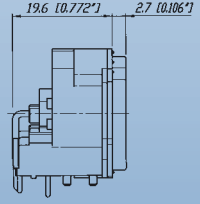


Quality Thinking

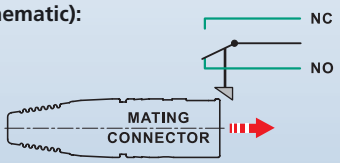
A/B Series 5-pole switch

NC5FAV-SW

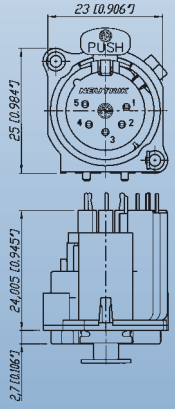
NC5MAV-SW

- A and B Series 5 pole connector with additional switch
- Normally open, normally closed (NO - NC) contact
- Switch activated by mating XLR cable connector
- Available in 5 pole, 3 or 4 pole on request

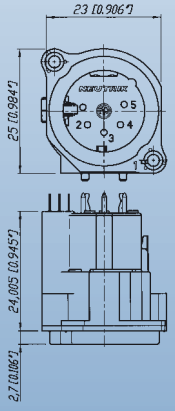
Inserting (Schematic):



NC5FAV-SW



NC5MBV-SW



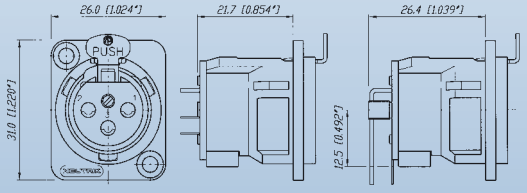
D Series

NC3FD-V

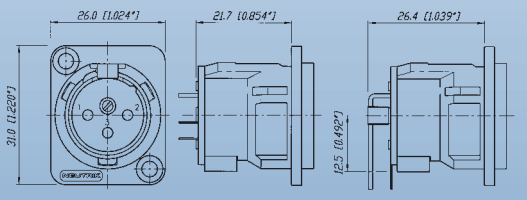
NC3MDM3-V

- "D" Shape metal shell
- Optimal RF protection using 3 shield contacts
- Horizontal and vertical PCB mount with separate ground contact
- Mounting holes with M3 threads available
- 2 piece connector, insert is removable from shell
- Front locked / unlocked insert
- Special version with screw termination

NC3FD-V / NC3FD-H



NC3MD-V / NC3MD-H



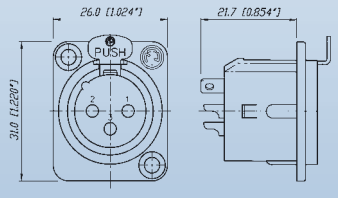
- Quality Design

DL Series

NC3FD-L-1 NC4MDM3-H

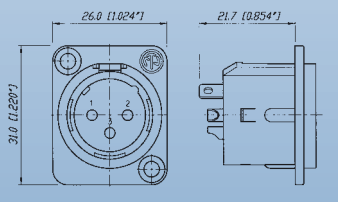
- Unified "D" metal shell
- Solder cups on 3 - 7 pole version
- Additional PCB mount on 4 and 5 pole
- Front and rear mountable
- High End "-HE" version available with machined female contacts, temperature resistant insulator and valuable velour chromium plating

NC3FD-L-1



NC*FDM3-H

NC3MD-L-1



NC*MDM3-H

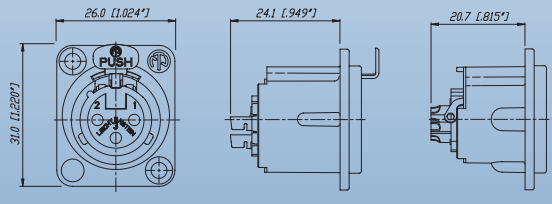
* ... 3 - 5 contacts

DLX Series

NC3FD-LX NC3MD-LX

- Next generation of the popular DL Series with greater functionality
- All metal housing works in combination with a new duplex ground contact yielding the best RF protection and ground conductivity in a chassis mount XLR
- Male connector's retention bar replaces plastic design with all metal version
- Unique cage type female contacts on 3 pole version for increased conductivity
- Machined male and female contacts on four to seven pin versions
- D-style housing provides installation compatibility with industry standard D mounting dimensions

NC3FD-LX



NC*MD-LX

* ... 3 - 7 contacts

EMC

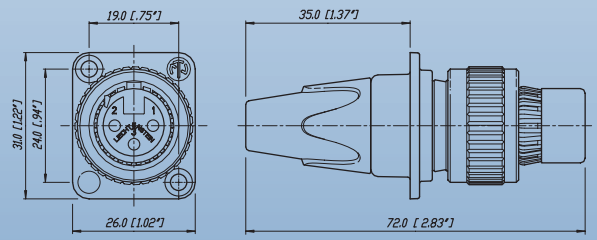
NEW

NC3FDX-EMC-SPEC

- 3-pole female XLR chassis connector with integrated capacitive shield to shell connection to avoid RF-interference and LF-noise
- 360° shield contact on female connector ensures best possible shielding and chassis contact
- D flange chassis for panel mount applications
- Includes the locking nut of the NC3FX-SPEC for secure fastening of a gooseneck for instance
- Special flange for large openings available
- Patent pending

Detailed information of RF-shielding see page 9 - EMC cable-connector.

NC3FDX-EMC-SPEC



MPR-HD Series

NEW

NC3MPR-HD

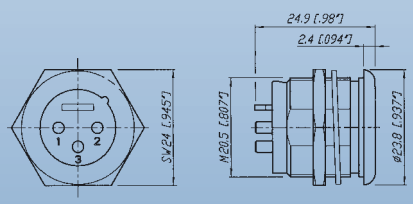
NC5MPR-HD

- IP 65 - in combination with NC*FX-HD cable connectors
- Perfect for outdoor applications
- Sealing gasket for water tight panel mount
- Gold plated contacts

NC5MPR-HD

NC5FX-HD

NC3MPR-HD



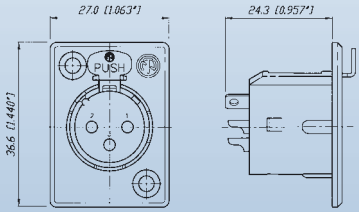
* ... 3 - 5 contacts

P Series

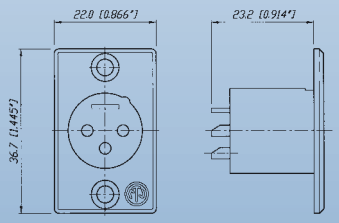
NC4FP-1 NC6MP-B

- Smallest available hard wiring receptacles with large solder cups
- Short female receptacle
- Compatible with Switchcraft DxM, DxF; Cannon XLRx31, XLRx32
- 6 pole version available with Switchcraft contact arrangement (NC6FSP-1, NC6MSP)

NC3FP-1



NC3MP

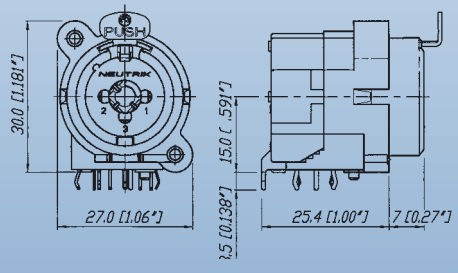


Combo Series

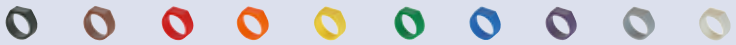
NCJ9FI-V NCJ10FI-S

- Combined XLR receptacle and 1/4" phone jack
- Attractive "front end" design
- Saves rack space by combining 2 connectors in one housing
- Horizontal or vertical PCB mounting or hard wire soldering
- Fully normalled
- Stereo or mono version
- Very low conductor capacitance, therefore suitable for digital audio
- Fastening: Self-tapping Plastite® screws with thread 2.9 x 1.06 and tri-rondular configuration (A screw)
- Front dimension: 30 x 27 mm

NCJ10FI-H



Colour Coded Accessories

Part No.	Description	Black 0	Brown 1	Red 2	Orange 3	Yellow 4	Green 5	Blue 6	Violet 7	Grey 8	White 9
XLR Cable Connectors											
BSX-*	Coloured bushing for X Series										
BXX-*	Coloured bushing for XX Series										
XCR-*	Coloured coding ring for X Series										
XXR-*	Coloured coding ring for XX Series										
XLR Chassis Connectors											
ACRF-*	Coloured ring for female 4 + 5 pole A Series and 3 pole BA Series										
ACRM-*	Coloured ring for male 4 + 5 pole A Series and 3 pole BA Series										
DSS-*	Lettering plate for D Series										

Accessories

XLR Cable Connectors		
XXCR	Translucent coding ring for XX Series	Example
XCCR	Coding ring for X Series digital signals	
XLR Chassis Connectors		
DBA	Dummy-plate for D Series panel cut outs	
SCD*	Rubber sealing cover for female and male D Series	SCDF SCDM
SC*	Rubber sealing cap for female and male XLR receptacles	SCF SCM
SFAV	Rubber frame for A / B Series to mount between front plate and rear vertical print	SFAV Example
A-Screw-1-8 B-Screw-1-8	Plastite® screw 2.9 x 8** TAPTITE® screw 2.5 x 8*	A Screw B Screw

** ... Minimum order quantity of 1000 pcs.

Specification			A Series	AA Series	B Series	BA Series	D Series	DL / DLX Series	MPR-HD Series	P Series	Combo Series
Electrical											
Number of contacts			3 - 5	3	3 - 5	3	3	3 - 7	3 - 5	3 - 7 (6**)	5 - 10
Contact resistance		≤ 5 mΩ	●	≤ 8 mΩ	●	●	●	●	●	●	≤ 10 mΩ
Insulation resistance	- initial:	> 2 GΩ	●	●	●	●	●	●	●	●	●
	- after damp heat test:	> 1 GΩ	●	●	●	●	●	●	●	●	> 500 MΩ
Dielectric strength		1500 V dc	●	●	●	●	●	●	●	●	●
Rated voltage		50 V ac	●	●	●	●	●	●	●	●	●
Rated current per contact											
	3 pole:	6 A	●	●	●	●	●	16 A	16 A	16 A	-
	4 pole:	6 A	●	-	●	-	-	10 A	10 A	10 A	-
	5, 6 pole:	3 A	●	-	●	-	-	7.5 A	7.5 A	7.5 A	-
	7 pole:	5 A	-	-	-	-	-	●	-	●	-
Combo XLR + Jack contact		7.5 A	-	-	-	-	-	-	-	-	●
Capacitance between contacts											
	3 pole:	≤ 7 pF	●	●	●	●	-	≤ 4 pF	≤ 4 pF	≤ 4 pF	≤ 2 pF
	4, 5, 6 pole:	≤ 7 pF	●	-	●	-	-	●	●	●	-
	7 pole:	≤ 9 pF	-	-	-	-	-	●	-	●	-
Mechanical											
Lifetime > 1`000 mating cycles			●	●	●	●	●	●	●	●	●
Insertion / withdrawal force		≤ 20 N	●	●	●	●	●	●	●	●	● 25 N
Retention method											
	- standard:	latch lock	●	●	●	●	●	●	●	●	● (XLR)
	- "0" Version:	≥ 20 N separating force	●	●	●	●	●	●	●	●	● 25 N
Material											
Insert	Polyamide	PA 6.6 30% GR	●	●	●	●	●	●	●	●	●
Shell	Zinc diecast	ZnAl4Cu1	-	-	-	-	●	●	●	●	-
		(gal Ni or black Cr plated)	-	-	-	-	●	●	Ni plated	●	-
Ring	Zinc diecast	ZnAl4Cu1	-	-	●	●	-	-	-	-	-
Contacts	- female 3 pole:	Bronze CuSn6	●	●	●	●	●	●	-	●	●
	4 - 5 pole:	Bronze CuSn6	●	-	●	-	-	-	-	-	-
	4 - 7 pole:	Brass CuZn39Pb3	-	-	-	-	-	●	-	●	-
	- male:	Brass CuZn35Pb2	●	●	●	●	●	●	●	●	-
Contact surface	gal 0.2 µm AuCo over 2 µm NiP15 (Tribor®)		●	●	●	●	-	-	-	-	●
	gal 2 µm Ag or gal 0.2 µm Au hard alloy over 2 µm Ni		-	-	-	-	●	●	Au	●	-
Latch lock & spring		Ck 67 steel, treated	●	●	●	●	●	●	-	●	●
Environmental											
Operating temperature		-30°C to +80°C	●	●	●	●	●	●	●	●	●
Protection class		IP 40	●	●	●	●	●	●	IP 65	●	●
Flammability		UL 94 HB	●	●	●	●	●	●	●	●	●
		UL 94 V-0	3 pole	-	3 pole	-	-	-	-	-	-
Solderability complies with IEC 68-2-20			●	●	●	●	●	●	●	●	●
Mounting screw			A	A	1)	A	-	-	-	-	A
Colour coding			ACR-* (4 + 5 pole only)	-	-	ACR-*	DSS	DSS	-	-	-

1) .... B Series 3 pole connectors > B-screw, 4 & 5 pole versions > A-screw

** .... P Series male 3 - 6 pole

Ordering Information for Receptacles

A Series

Female	Male	Shell	Contact	3 pole	4 pole	5 pole
NC*FAH-D		Black Plastic	Gold	-	●	●
	NC*MAH	Black Plastic	Gold	●	●	●
NC*FAH-0		Black Plastic	Gold	●	●	●
	NC3MAH-0	Black Plastic	Gold	●	-	-
NC3FAHL-0		Black Plastic	Gold	●	-	-
NC3FAHR-0		Black Plastic	Gold	●	-	-
NC3FAH1-D	NC3MAH-1	Black Plastic	Gold	●	-	-
NC3FAH1-0		Black Plastic	Gold	●	-	-
NC3FAHL1-D		Black Plastic	Gold	●	-	-
	NC3MAHL	Black Plastic	Gold	●	-	-
NC3FAHL1-0		Black Plastic	Gold	●	-	-
NC3FAHR1-D		Black Plastic	Gold	●	-	-
	NC3MAHR	Black Plastic	Gold	●	-	-
NC3FAHR1-0		Black Plastic	Gold	●	-	-
NC3FAH2-D		Black Plastic	Gold	●	-	-
NC3FAH2-0		Black Plastic	Gold	●	-	-
NC3FAHR2-D		Black Plastic	Gold	●	-	-
NC3FAHR2-0		Black Plastic	Gold	●	-	-
NC*FAV-D		Black Plastic	Gold	-	●	●
	NC*MAV	Black Plastic	Gold	●	●	●
NC*FAV-0		Black Plastic	Gold	●	●	●
	NC3MAV-0	Black Plastic	Gold	●	-	-
NC3FAV1-D	NC3MAV-1	Black Plastic	Gold	●	-	-
NC3FAV1-0		Black Plastic	Gold	●	-	-
NC3FAV2-D		Black Plastic	Gold	●	-	-
NC3FAV2-0		Black Plastic	Gold	●	-	-
NC3FAY-D	NC3MAY	Black Plastic	Gold	●	-	-
NC3FAY-0		Black Plastic	Gold	●	-	-
NC5FAV-SW-D	NC5MAV-SW	Black Plastic	Gold	-	-	●

AA Series

Female	Male	Shell	Contact	3 pole
NC3FAAH	NC3MAAH	Black Plastic	Gold	●
NC3FAAH-0		Black Plastic	Gold	●
NC3FAAH1	NC3MAAH-1	Black Plastic	Gold	●
NC3FAAH1-0		Black Plastic	Gold	●
	NC3MAAH-0	Black Plastic	Gold	●
NC3FAAH2		Black Plastic	Gold	●
NC3AAH2-0		Black Plastic	Gold	●
NC3FAAV	NC3MAAV	Black Plastic	Gold	●
NC3FAAV-0		Black Plastic	Gold	●
NC3FAAV1	NC3MAAV-1	Black Plastic	Gold	●
NC3AAV1-0		Black Plastic	Gold	●
	NC3MAAV-0	Black Plastic	Gold	●
NC3FAAV2		Black Plastic	Gold	●
NC3FAAV2-0		Black Plastic	Gold	●

A Series comes with Push Latch disassembled, assembled Push on request.

AA Series comes with Push Latch assembled.

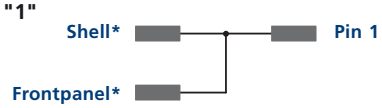
A / AA Series rear mount only, all PCB mount except Y version = IDC

Grounding Options

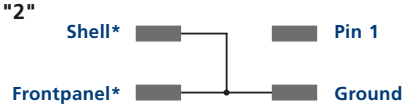
A / AA Series and B / BA Series

Female

"1"

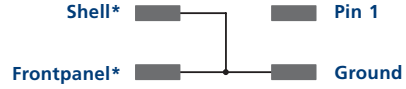


"2"

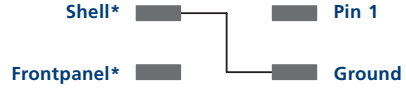


Male

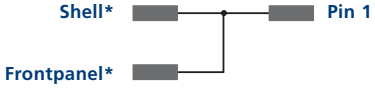
w/o number



"0"



"1"



Shell* ... Contact to shell of mating connector

Frontpanel* ... Connection to frontpanel by fastening screw

Ordering Information for Receptacles

Female	Male	Flange	Contact	3 pole	4 pole	5 pole
B Series						
NC*FBH-D		Metal	Gold	-	●	●
	NC*MBH	Metal	Gold	●	●	●
NC*FBH-B-D		Black Metal	Gold	-	●	●
	NC*MBH-B	Black Metal	Gold	●	-	●
NC3FBH1-D		Metal	Gold	●	-	-
NC3FBH1-B-D		Black Metal	Gold	●	-	-
NC3FBHL1-D		Metal	Gold	●	-	-
	NC3MBHL	Metal	Gold	●	-	-
NC3FBHR1-D		Metal	Gold	●	-	-
NC3FBH2-D		Metal	Gold	●	-	-
NC3FBH2-B-D		Black Metal	Gold	●	-	-
NC3FBHR2-D		Metal	Gold	●	-	-
	NC3MBHR	Metal	Gold	●	-	-
NC*FBV-D		Metal	Gold	-	●	●
	NC*MBV	Metal	Gold	●	●	●
NC*FBV-B-D		Black Metal	Gold	-	●	●
	NC*MBV-B	Black Metal	Gold	●	-	●
NC3FBV1-D		Metal	Gold	●	-	-
NC3FBV1-B-D		Black Metal	Gold	●	-	-
NC3FBV2-D		Metal	Gold	●	-	-
NC3FBV2-B-D		Black Metal	Gold	●	-	-
NC3FBY-D	NC3MBY	Metal	Gold	●	-	-
NC3FBY-B-D	NC3MBY-B	Black Metal	Gold	●	-	-
NC5FBV-SW-D	NC5MBV-SW	Metal	Gold	-	-	●
NC3FBH1-E-D	NC3MBV-E	Metal	Gold	●	-	-
NC3FBH2-E-D		Metal	Gold	●	-	-
	NC3MBH-E	Metal	Gold	●	-	-

Special version for 3 pole B-Series with M2.5 mounting holes (-M25) on request.

Female	Male	Flange	Contact	3 pole	4 pole	5 pole
BA Series						
NC3FBAH1-D		Metal	Gold	●	-	-
	NC3MBAH	Metal	Gold	●	-	-
NC3FBAH1-0		Metal	Gold	●	-	-
	NC3MBAH-0	Metal	Gold	●	-	-
NC3FBAH2-D		Metal	Gold	●	-	-
	NC3MBAH-1	Metal	Gold	●	-	-
NC3FBAH2-0		Metal	Gold	●	-	-
NC3FBAV1-D		Metal	Gold	●	-	-
	NC3MBAV	Metal	Gold	●	-	-
NC3FBAV1-0		Metal	Gold	●	-	-
	NC3MBAV-0	Metal	Gold	●	-	-
NC3FBAV2-D		Metal	Gold	●	-	-
	NC3MBAV-1	Metal	Gold	●	-	-
NC3FBAV2-0		Metal	Gold	●	-	-

B / BA Series comes with Push Latch disassembled, assembled Push on request.

B / BA Series rear mount only, all PCB mount except Y version = IDC

Ordering Information for Receptacle

D Series

Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
NC3FD-V	NC3MD-V	Nickel	Silver	●	-	-	-	-
NC3FD-V-B	NC3MD-V-B	Black Cr	Gold	●	-	-	-	-
NC3FD-V-BAG	NC3MD-V-BAG	Black Cr	Silver	●	-	-	-	-
NC3FDM3-V	NC3MDM3-V	Nickel	Silver	●	-	-	-	-
NC3FDM3-V-B	NC3MDM3-V-B	Black Cr	Gold	●	-	-	-	-
NC3FD-H	NC3MD-H	Nickel	Silver	●	-	-	-	-
NC3FD-H-B	NC3MD-H-B	Black Cr	Gold	●	-	-	-	-
NC3FD-H-BAG	NC3MD-H-BAG	Black Cr	Silver	●	-	-	-	-
NC3FDM3-H-D	NC3MDM3-H	Nickel	Silver	●	-	-	-	-
NC3FDM3-H-B-D	NC3MDM3-H-B	Black Cr	Gold	●	-	-	-	-
NC3FDM3-H-BAG-D	NC3MDM3-H-BAG	Black Cr	Gold	●	-	-	-	-

DL Series

Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
NC*FD-L-1	NC*MD-L-1	Nickel	Silver	●	●	●	●	●
NC*FD-L-B-1	NC*MD-L-B-1	Black Cr	Gold	●	●	●	●	●
NC*FD-L-BAG-1	NC*MD-L-BAG-1	Black Cr	Silver	●	●	●	●	-
NC*FDM3-L-1-D	NC*MDM3-L-1	Nickel	Silver	●	●	●	-	-
NC3FDM3LBAG-1-D	NC3MDM3LBAG-1	Black Cr	Silver	●	-	-	-	-
NC3FD-L-1-HE	NC3MD-L-1-HE	Velour Cr	Gold	●	-	-	-	-
NC*FDM3-H-D	NC*MDM3-H	Nickel	Silver	-	●	●	●	-
NC*FDM3-H-B-D	NC*MDM3-H-B	Nickel	Silver	-	●	●	●	-
NC*FDM3-H-BAG-D	NC*MDM3-H-BAG	Black Cr	Silver	-	●	●	●	-
NC3FD-S-1-B	NC3MD-S-1-B	Black Cr	Silver	●	-	-	-	-

DLX Series

Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
NC*FD-LX	NC*MD-LX	Nickel	Silver	●	●	●	●	●
NC*FD-LX-B	NC*MD-LX-B	Black Cr	Gold	●	●	●	●	●
NC*FD-LX-BAG	NC*MD-LX-BAG	Black Cr	Silver	●	●	●	●	●
NC*FD-LX-M3	NC*MD-LX-M3	Nickel	Silver	●	●	●	-	-
NC3FD-LX-HE	NC3MD-LX-HE	Velour Cr	Gold	●	-	-	-	-

EMC XLR

	Shell	Contact	
NC3FDX-EMC-SPEC	Black Cr	Gold	● - - - -

Accessories

FDR-1	Black round panel mounting flange with screws for larger panel cut-outs

P Series

Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
NC*FP-1		Nickel	Silver	●	●	●	●	●
	NC*MP	Nickel	Silver	●	●	●	●	-
NC*FP-B-1		Black Cr	Gold	●	●	●	●	●
	NC*MP-B	Black Cr	Gold	●	●	●	●	-
NC*FP-BAG-1	NC*MP-BAG	Black Cr	Silver	●	●	●	●	-

MPR-HD Series

Female	Male	Shell	Contact	3 pole	4 pole	5 pole	6 pole	7 pole
-	NC*MPR-HD	Nickel	Gold	●	●	●	-	-

Combo Series

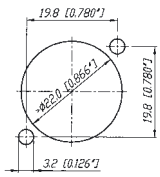
			5 pole	6 pole	9 pole	10 pole
NCJ*FI-H	Black plastic	Gold	●	●	●	●
NCJ*FI-H-0	Black plastic	Gold	●	●	●	●
NCJ*FI-S	Black plastic	Gold	●	●	●	●
NCJ*FI-S-0	Black plastic	Gold	●	●	●	●
NCJ*FI-V	Black plastic	Gold	●	●	●	●
NCJ*FI-V-0	Black plastic	Gold	●	●	●	●

Contact

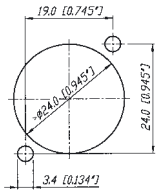
	1	2	3	T	R	S	TN	RN	SN	G	GN
NCJ5FI-*	x	x	x	x		x				x	
NCJ6FI-*	x	x	x	x	x	x				x	
NCJ9FI-*	x	x	x	x	x	x	x	x	x	x	
NCJ10FI-*	x	x	x	x	x	x	x	x	x	x	x

Panel Cutouts

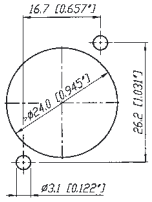
A / AA / B / BA Series



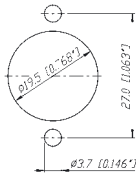
D / DL / DLX Series



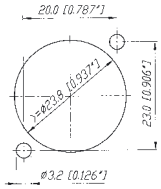
P Series Female



P Series Male



Combo



MPR Series

Assembly Tools

HTX — Hand tool to tighten the X / XX-bushing

BTXX — Assembly fixture to tightening the XX-bushing

HX-R-BNC — Crimp tool for XCC Series

DIE-R-BNC-PT — Crimp die for XCC Series (6.5 mm HEX)

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