View

Chassis Connectors

Extremely reliable and robust. 2,4 and 8 pole versions with `Quick Lock` system. The chassis types are fast and easy to wire with flat quick-connect terminations (e.g. Faston®). Excellent price / performance ratio.

TECHNICAL DATA

Electrical
Rated current/contact: 30 A rms continous,
40 A rms 1 min.
Dielectric strength: 4kV peak
Rated voltage: 250 V ac
Contact resistance: = 3 m Ω (= 10 m Ω for NL4MD-H) after 5000 insertion-withdrawal operations
Insulation resistance - initial: > 2 G Ω
- after damp heat test: > 500 M Ω
Inrush/outrush current capability (12 V source): 300/30 A/200 ms
Creepage distance: according to IEC 664-1

Mechanical
Retention method: Quicklock with latch
Cable anchoring: NEUTRIK® chuck principle
Cable O.D. range:
6 - 10 mm (2 pole)
5 - 15 mm (4 pole)
8 - 20 mm (8 pole)
Cable retention force: = 220 N Subject to cable die and material

Wiring:
- Cable: screw-type terminals (crush ferrules provided for use with stranded cable) on 8 pole version or soldering (12 AWG stranded)
- Chassis: flat tabs for FASTON 0.187" x 0.02" (4.8 mm x 0.5 mm) or PCB-version with pins 1.6 mm x 0.5 mm (FASTON is a trademark of AMP Inc.)

Materials
Contacts: CuZn39Pb3 / ZnAl4Cu1 / CuSn8, 4 µm Ag plated
Securing element: ZnAl4Cu1, CuNi plated
Spring element: Neoprene ring
Housing: PA 6 30% GR
Insert (FC part): PBTP 20% GR
Bushing: PA 6 15% GR
Chuck: POM
Temperature range: -30°C to +80°C

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WIRING

Amplifier
Stereo ("HIFI"): one NL4MP socket left channel pins 1+/1- right channel pins 2+/2-
Power ("PA) Standard: three NL4MP sockets "A" socket: left channel pins 1+/1- "B" socket: right channel pins 1+/1-
Bridged mono: "M" socket: left channel pins 1+/1- right channel pins 2+/2-
BI-Amp: one NL4MP socket low frequency pins 1+/1- high frequency pins 2+/2-

Cable
Stereo ("HIFI"): NL4FC on amplifier end, four conductor cable splits into two pairs with NL4FC on each end
Power ("PA) Standard: a two-conductor cable for each channel with NL4FC on both ends
Bridged mono: a special two-conductor cable, on both ends wired to pin 1+/2+ of NL4FC
BI-Amp: a four-conductor cable on both ends wired to pins 1+/1-, 2+/2- of NL4FC

Speaker
Stereo ("HIFI"): one NL4MP per speaker left speaker pins 1+/1- right speaker pins 2+/2-
Power ("PA) Standard: NL4MP pin 1+ to speaker coil "+" NL4MP pins 1- and 2+ to speaker coil "-"
Bridged mono: 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-

NL2MP

2-pole chassis connector. Small flange. Does not intermate with the 4-pole cable connector.

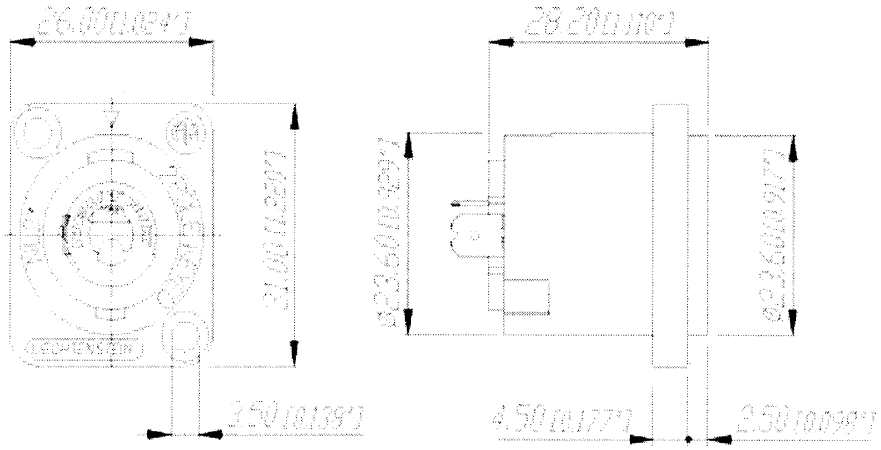

Photo View