

NL4MPR

4 pole chassis connector, round flange for speaker cabinets.

TECHNICAL DATA

Electrical

Rated current/contact: 30 A rms continuous,
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: > 1 G Ω

Inrush/outrush current capability (12 V source): 300/30 A/200 ms

Creepage distance: according to IEC 664-1

Mechanical

- 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.)

Solderability complies with IEC 68-2-20

Materials

Contacts:

Female: CuZn39Pb3

Male: CuSn8, 4 μ m Ag plated

Housing: PA 6 30% GR

Metal insert: Ck67

Temperature range: -30°C to +80°C

Flammability: UL94HB

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

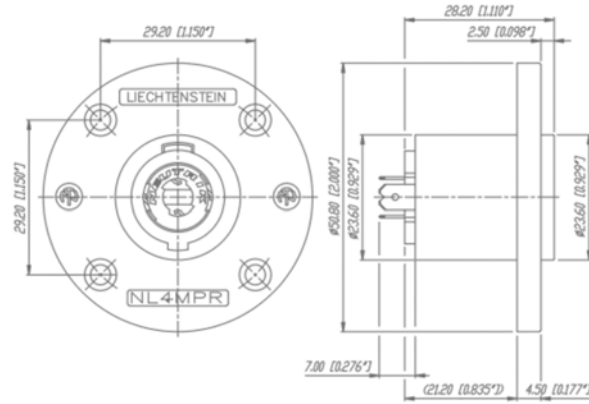
Speaker

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-



Speakon® Lockable Loudspeaker Connector / 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. Speakon connectors are airtight for audio applications (leakage 30 cm³/s at 10 kPa differential pressure) unless otherwise stated.