



### NO2-4FD-1

Chassis connector with hard Nickel plating, 4 solder contacts and 1 shell ground contact.

#### TECHNICAL DATA

The chassis connector acts as a "feed-through" allowing simplified installations by connecting a conventional LC-Duplex on the rear. It is built in the standard D size shell and features an automatic sealing cover for maximum dust and dirt protection and a Push-Pull locking mechanism for safe connection. Colored labeling plates are included to identify the fiber mode.

#### Optical

Optical connector: LC-Duplex

Fiber: Multimode, Singlemode PC, Singlemode APC

#### Electrical

Number of contacts: 4 + 1 ground contact

Ground contact: Faston 2.8 x 0.5 (soldering possible)

Rated current: 3 A

Contact resistance: < 7 m Ohm

Insulation resistance:

- initial > 2 G Ohm

- after damp heat test: 1 G Ohm

Dielectric strength: 1500 V dc

Rated voltage: 50 V ac

#### Mechanical

Insertion / withdrawal force: < 45 N

Lifetime: > 1000 cycles

Mounting direction: front

#### Materials

Shell: Zinc diecast (ZnAl4Cu1) (hard Nickel plating)

Insert / Insulation: Polyamid PA 6, PBT 30% GR, PBT 50% GR

Female contacts: Bronze (CuSn6)

Contact surface: Gold (gal 0.2  $\mu$ m Au over 2  $\mu$ m Ni)

Slit sleeve: Ceramics

#### Environment

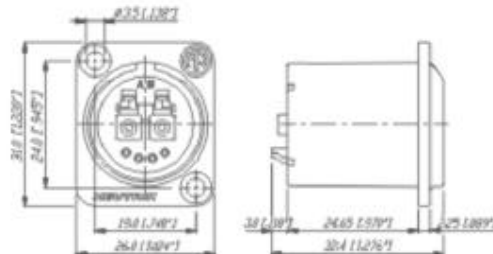
Operating temperature: -30° C to +80° C

Solderability: complies with IEC 68-2-20

Flammability: UL 94 HB

More technical information and test reports you can find at Technical Support - Approvals - OpticalCon Technical Paper.

[PDF](#) [DXF](#)



### Fiber Optic Connection System / OpticalCon Connectors

The OpticalCon system consists of a ruggedized all metal and dirt protected chassis and cable connector to increase the reliability and maximize the uptime for fiber optic connection systems. The system is based on a standard optical LC-Duplex connection; however, the OpticalCon improves this original design to ensure a safe and rugged connection. Due to the compatibility with conventional LC connectors, it offers the choice of utilizing a cost effective LC connector as a permanent connection, or Neutrik's rugged OpticalCon cable connector for mobile applications. It enables up to four copper wires to run power or data signals through.

