



NO2-4FDW-1-A

Chassis connector with black chromium plating, 4 solder contacts, 1 LC-Duplex feedthrough socket and 1 shell ground contact (for SMPTE cable shield), waterproof acc. to IP65 ingress protection in mated condition with SCDP-*

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.

Not compatible to SMPTE 304M standard. Suitable for indoor (studio) camera links considering specific conditions acc. to IEC 60664-1 like pollution degree 1, overvoltage category 1 and rated voltage.

Features & Benefits

- ✓ Suggested OEM equipment connector due to LC front compatibility
- ✓ Designed as feedthrough with automatic sealing shutter
- ✓ Shutter with silicone gasket protects optical connection from dust and dirt
- ✓ Suitable for indoor (studio) camera links considering specific conditions acc. to IEC 60664-1 like pollution degree 1, overvoltage category 1 and rated voltage
- ✓ Accommodates standard LC connectors on the rear for simple installation
- ✓ Connection on the front side either by rugged opticalCON or standard LC connector
- ✓ The low cost of the chassis connector makes it a viable alternative to traditional connectors in fixed installations

- ✓ IP65 ingress protection in mated condition with SCDP-*
- ✓ Color coding with SCDP-* according to ANSI/TIA-568.3-D Standard:
 - Multimode - black
 - Single mode PC - blue
 - Single mode APC - green



Technical Information

| Product | |
|---------|--------------|
| Title | N02-4FDW-1-A |
| Gender | female |

Electrical

| | |
|---------------------------|---------------------------------------|
| Contact resistance | < 7 mΩ |
| Dielectric strength | 1,5 kVdc |
| Insulation resistance | > 2 GΩ (initial) |
| Rated current per contact | 6 A |
| Rated voltage | < 50 V (1) |
| Ground contact | Faston 2.8 x 0.5 (soldering possible) |

Mechanical

| | |
|--------------------|--------------------|
| Insertion force | < 45 N |
| Withdrawal force | < 45 N |
| Lifetime (typ.) | 5000 mating cycles |
| Locking force | 1000 N |
| Wire size | |
| Locking device | Push-Pull |
| Mounting direction | Front mounting |
| Chassis shape | D |

Material

| | |
|---------------|--|
| Contacts | Bronze (CuSn6) |
| Insert | Polyamide (PA 6, PBT 30 % GR, PBT 50 % GR) |
| Shell | Zinc diecast (ZnAl4Cu1) |
| Shell plating | Black chromium |
| Split sleeve | ceramics |

Environmental

Temperature range

-40 °C to +75 °C

Protection class

IP65 in mated condition in combination with
SCDP-*

Optical

Insertion loss

< 0.4 dB / connection

Optical connector

LC-Duplex Feedthrough