



## 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
Wiresize	
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