

## 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
- Shutter with silicone gasket protects optical connection from dust and dirt
- Accommodates standard LC connectors on the rear for simple installation
- The low cost of the chassis connector makes it a viable alternative to traditional connectors in fixed installations
- Color coding with SCDP-\* according to ANSI/TIA-568.3-D Standard:  
Multimode - black  
Single mode PC - blue  
Single mode APC - green
- Designed as feedthrough with automatic sealing shutter
- Suitable for indoor (studio) camera links considering specific conditions acc. to IEC 60664-1 like pollution degree 1, overvoltage category 1 and rated voltage
- Connection on the front side either by rugged opticalCON or standard LC connector
- IP65 ingress protection in mated condition with SCDP-\*

## Attention! - Product Update

Improved contacts to allow indoor camera routing applications (pollution degree 1, overvoltage category 1) acc. to IEC 60664 up to 240 V ac.



## Technical Information

Product	
Title	NO2-4FDW-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	
Flammability	UL 94 V-0
Temperature range	-40 °C to +75 °C

Optical	
Insertion loss	< 0.4 dB / connection
Optical connector	LC-Duplex Feedthrough