

# Breakout & Panel Solutions

## Breakout Box

- The breakout boxes are used to split a 4-channel point-to-point opticalCON QUAD connection to either 2 dual channels or 4 single channels based on the opticalCON DUO
- Dust and waterproof according to IP65 in mated condition



NO4SABB4D-A

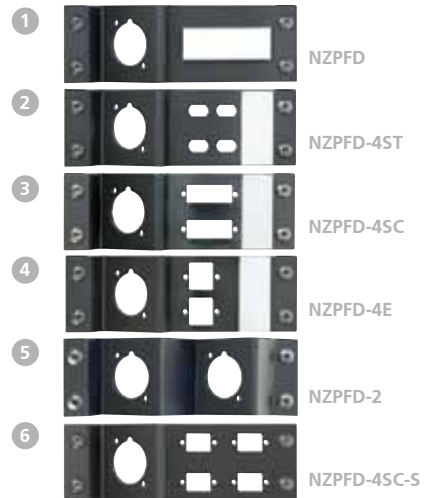
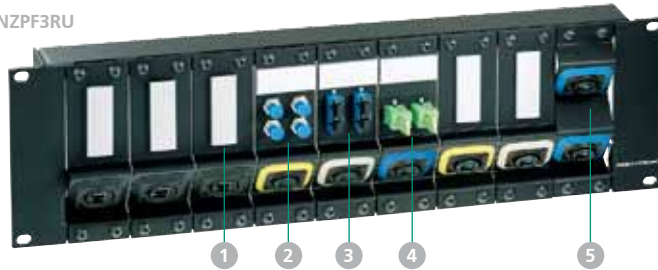
## 19" Z-Panels & Plates

- Space saving design, ideal for cramped rack applications such as OB truck I/O panels
- Frame plate can be loaded with opticalCON DUO or QUAD and E2000 or ST or SC
- Frames can be equipped with frame plates (D-shape) or blind plates
- Best cable bend protection
- 1 RU or 3 RU frame

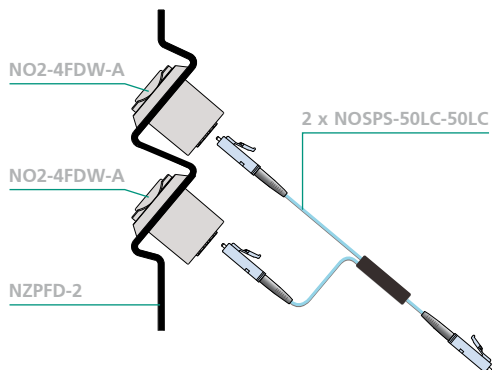
NZPF1RU



NZPF3RU



### Application Example:



# opticalCON powerMONITOR

## On air monitoring of fiber optic transmission quality

The opticalCON powerMONITOR is a cost-saving, purpose-built measurement (monitoring) device for professional fiber optic broadcast, audio and video applications.

With simultaneous monitoring of attenuation for up to 4 transmission channels, powerMONITOR provides an immediate, "on air" view into fiber optic signal strength. Visual and audible alarms can be set individually for each fiber channel, based on each channel's power budget. powerMONITOR provides clear status information, delivers early warnings for potential problems, and assists with maintenance scheduling.

- On-air monitoring of fiber optic transmission quality
- Simultaneous power measurement (+0.0/-0.1dB measurement accuracy) of up to 4 channels
- Programmable threshold alarms
- Rack mount and mobile units
- Operates on rechargeable battery power or on mains power with fail-safe battery backup in case of unexpected mains power interruption
- Low loss (0.5dB maximum split loss)
- Wavelength selectable: multimode 850 nm or 1300 nm, single mode 1310 nm, 1550 nm or WDM (wave division multiplexing)

## powerMONITOR



NO4S-4F-2R-PM



## 1 RU & 3 RU 19" Rack units



NO4S-4F-2R-PM (up to two power Monitors)



up to 9 power Monitors

## Breakout Box



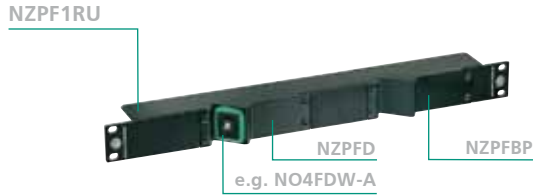
NO4SBB4D-A

# Ordering Information

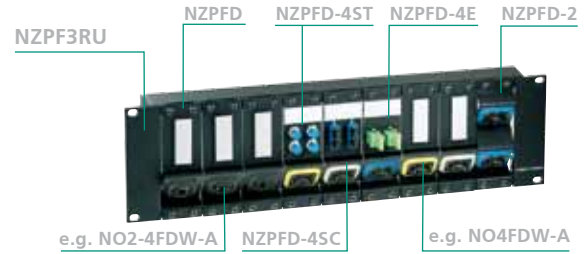
## D-Shape Z-Panels

### Z-Panels

#### Panel frame 1RU



#### Panel frame 3RU



#### Angled rack panel



#### NOSPS-50LC-50LC

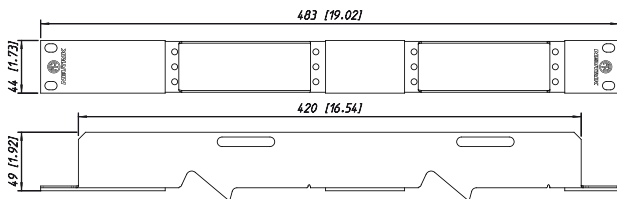


NZPF1RU	Panel frame 1RU opticalCON
NZPF3RU	Panel frame 3RU opticalCON
NZP1RU-8	Panel 1RU, 8 D size cutouts
NZPFD	Panel frame plate opticalCON
NZPFBP	Panel frame blind plate
NZPFD-2	Panel frame plate 2 D size cutouts
NZPFD-4E	Panel frame plate 1 D size cutout, 2 E2000 compact chassis cutouts
NZPFD-4SC	Panel frame plate 1 D size cutout, 2 SC compact chassis cutouts
NZPFD-4ST	Panel frame plate 1 D size cutout, 4 ST chassis cutouts
NZPFD-4CS-S	Panel frame plate 1 D size cutout, 4 SC simplex cutouts
NOSPM-LC50-LC50	Multimode 1 x 2 splitter LC*
NOSPS-LC50-LC50	Single mode PC 1 x 2 splitter LC*

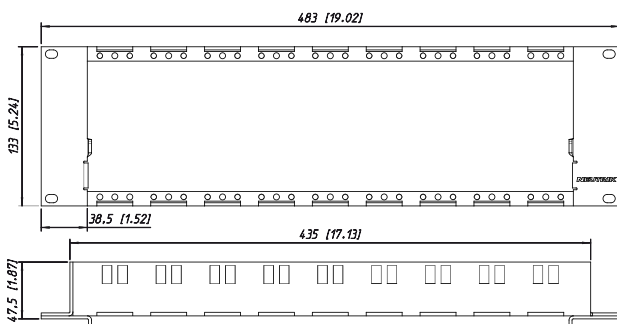
\* ... other connectors (SC, ST, E200) on request

### Drawing

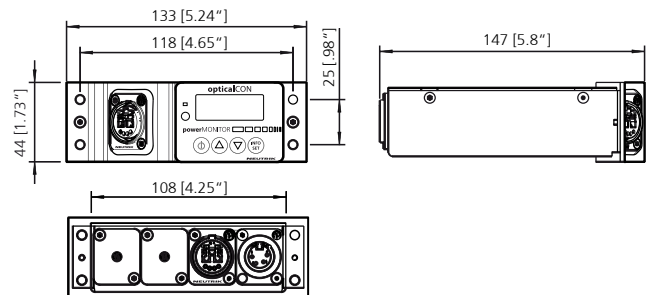
#### Panel frame 1RU



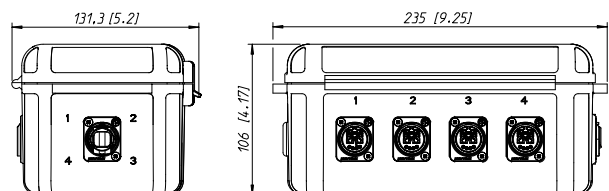
#### Panel frame 3RU



#### Powermonitor



#### Breakout Box



# Ordering Information

## powerMONITOR & Breakout Box

### POWERMONITOR

**NO2S - 2F - 2R PM - A** <sup>1)</sup>

Neutrik opticalCON	Channel	Mode	Chassis Front	Chassis Rear	power MONITOR
	2	S	2F (DUO)	2R (DUO)	PM
		SA			
4	M	4F (QUAD)	4R (QUAD)		



Front view: e.g. 4F (opticalCON QUAD)



Rear view: e.g. 2R (opticalCON DUO)

<sup>1)</sup> ... add attribute X for crossed fiber wiring



### BREAKOUT BOX

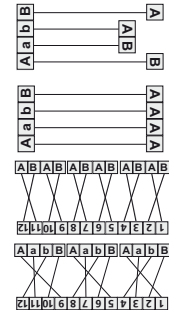


NO4SBB4D-A



NO4SABB4D-A

NO4SBB2D-A <sup>1)</sup>	1 x NO4FDW-A to 2 x NO2-4FDW-A, Single mode PC
NO4SABB2D-A <sup>1)</sup>	1 x NO4FDW-A to 2 x NO2-4FDW-A, Single mode APC
NO4MBB2D-A <sup>1)</sup>	1 x NO4FDW-A to 2 x NO2-4FDW-A, Multimode PC
NO4SBB4D-A	1 x NO4FDW-A to 4 x NO2-4FDW-A, Single mode PC
NO4SABB4D-A	1 x NO4FDW-A to 4 x NO2-4FDW-A, Single mode APC
NO4MBB4D-A	1 x NO4FDW-A to 4 x NO2-4FDW-A, Multimode PC
NO12SABB6D-A	1 x NO4FDW-A to 6 x NO2-4FDW-A, Single mode APC
NO12MBB6D-A	1 x NO4FDW-A to 6 x NO2-4FDW-A, Multimode PC
NO12SABB3Q-A	1 x NO4FDW-A to 3 x NO4FDW-A, Single mode APC
NO12MBB3Q-A	1 x NO4FDW-A to 3 x NO4FDW-A, Multimode PC



### ACCESSORIES

SCNO-FDW-A	Rugged sealing cover for opticalCON chassis connectors (see page 23)
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### Breakout Box with powerMONITOR

NO*BB1*-PM-A <sup>1)</sup>	breakout box equipped with opticalCON powerMONITOR <sup>1)</sup> ... add attribute X for crossed fiber wiring
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### POWER SUPPLY FOR POWERMONITOR



NOPS-1RU-PM



NOPS-3RU-PM



NOPS-E-PM

NOPS-1RU-PM	opticalCON powerMONITOR 5W Power Supply, powers up to 2 power monitors, Intern. AC plugs included
NOPS-3RU-PM	opticalCON powerMONITOR 15W Power Supply, 1 + 3RU use, powers up to 9 power monitors, IEC power socket
NOPS-E-PM	opticalCON powerMONITOR, power supply extension cable to daisy-chain power

# opticamSWITCH

## Ultimate solution for fiber optic camera routing

The opticamSWITCH is the ultimate solution for fiber optic camera routing within broadcast studios. The device allows switching of unlimited camera positions between several studios and control rooms, eliminating the need for high-maintenance, risky matrix patch fields using SMPTE patch cables. The device works on trendsetting, silica-based PLC (planar lightwave circuits) equipped with TO (thermo optic) switches. The innovative design guarantees rugged and safe non-blocking fiber plus camera power switching without any moving parts. The LAN-based remote control software simplifies work, shows switching and camera status, and enables broadcast production automation.

- Thermo Optic PLC Switch
- Non Blocking Structure
- Intelligent Power Working Circuit
- LAN Remote Control
- 19" x 1RU Rack unit



opticamSWITCH front

Rear side with opticalCON chassis or Wieland connectors.

