



Fiber Optic Switch 1x4 MPO

- 100% optical switch
- Bi-directional
- Transparent to data rate
- Control via buttons or externally (RS232/TTL)
- Keeps the selected channel in case of power failure

Future-proof networks with Fibersystems' fiber optic switch

The area of use for the Fiber Optic Switch 1x4 MPO is to be able to switch an MPO connection between 4 different channels (sources/destinations). Fiber optic switch 1x4 MPO is useful for switching Fibersystem's fiber optic HDMI between most of Fibersystem's products.

For example, you can switch between different sources, networks (red/black), or different destinations such as an additional screen or projector. There is no electrical conversion in the switch, it is 100% optical.

Fibersystems Fiber Optic Switch 1x4 MPO is built to meet the most demanding needs in IP communication, ensuring unparalleled efficiency and flexibility in any network environment.

Examples of applications:

- Optical protection
- Test system
- Reconfigurable add-drop multiplexers
- Provisioning of FTTH and dark fiber
- Disaster recovery
- Redirect
- Reset of communication

Customization

The fiber optic switches are developed and manufactured by Fibersystem and can be adapted to customer needs.

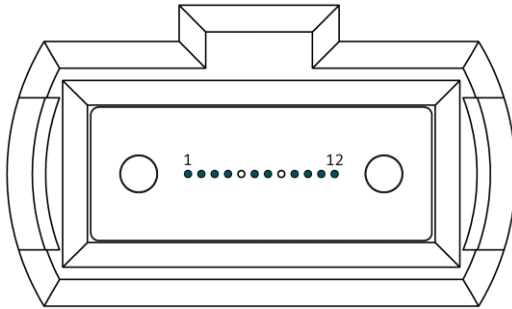


Illustration of connected fiber in the MPO connector. Fiber #5 and #8 not connected.

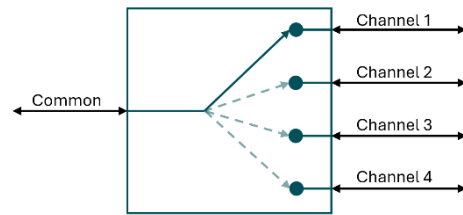


Illustration switching from common to each channel 1-4

Features

Features	Description
Optical	Multimode 850/1300 nm
Loss typical	<0.8 dB
Crosstalk	-80 dB
Repeatability	±0.2 dB
Switching time	20 ms
Sustainability	30 000 000 cykler

Technical data

I/O-ports	Description	Connector	No
Optical connector common	Multimode 850/1300 nm	MPO-12 Female	1
Optical connector channels	Multimode 850/1300 nm	MPO-12 Female	4
External control	TTL	DB9	1
External control	RS232	DB9	1
Power supply		Description	
Mains voltage	100-230 VAC, 50-60 Hz		
Connector	IEC 320-C14		
Power consumption typical	2W		
Power consumption max	5W		
Mechanics and Environment		Description	
Dimensions	44 x 429,5 x 179 (HxWxD) mm (19" 1HU)		
Weight	2,5 kg		
Operating temperature	0 °C to 70 °C, at 10-85% relative humidity, non-condensing		
Storage Temperature	-40 °C to 85 °C, at 10-85% relative humidity, non-condensing		

Order information

Product	FBET	FBEN	Product number
Fiber Optisk Switch 1x4 MPO	N/A	N/A	60-00-9183
Parts	FBET	FBEN	Product number
Rack Angles Incl. Screw	N/A	N/A	60-00-0119
Power cable 2m	N/A	N/A	50-65-5568
Accessories	FBET	FBEN	Product number
MPO12-MPO12 Fiber optic cable 1m	N/A	N/A	50-65-9921
MPO12-MPO12 Fiber optic cable 3m	N/A	N/A	50-65-9901
MPO12-MPO12 Fiber optic cable 5m	N/A	N/A	50-65-9900
MPO12-MPO12 Fiber optic cable 10m	N/A	N/A	50-65-9902
MPO12-MPO12 Fiber optic cable 15m	N/A	N/A	50-65-9903