

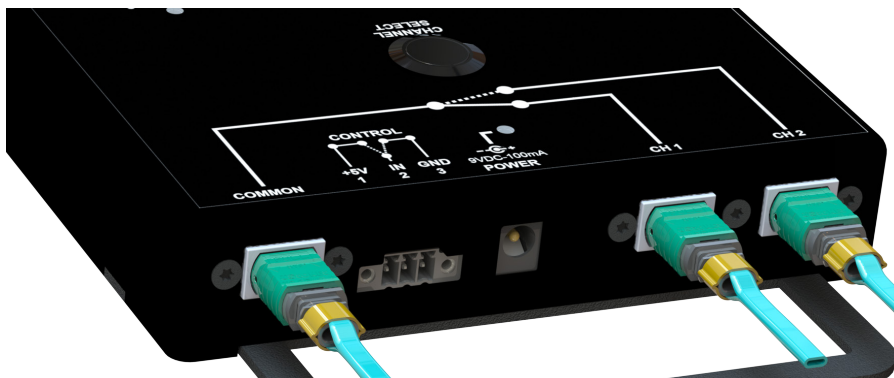


Fiber Optical Switch 1x2 MPO

- 1x2 2-channel
- Pure optical path
- Transparent to data speed
- Protocol independent
- Cost efficient
- Future proof

The area of use for the Fiber Switch 1x2 MPO is to be able to switch fiber pairs between 2 different channels (sources/destinations). The product's smaller footprint and design makes it suitable as a workplace/desk switch.

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



Simple configuration layout with all connections placed at the back.

The switch can be controlled via a switch on the top panel.

The switch can also be controlled via the "control" connection from an external source. Voltage level +5V or ground changes the switch between channels B and C.

Examples of applications

- Optical protection
- Test systems
- Reconfigurable add-drop multiplexers
- Provisioning of FTTH and dark fiber
- Disaster recovery
- Re-routing
- Restoration of communication

Customisation

The fiber optic switch is a product developed and made by Fibersystem in Sweden. All Fibersystem products can be customised depending on customer needs.

Fibersystem AB is an inventive Swedish company who since 1982 has been working with the application of fiber optic technology in the delivery of solutions fulfilling the customers' multitude of needs.

Product categories:

- Secured systems for defence and government organisations
- Fiber optic communication solutions

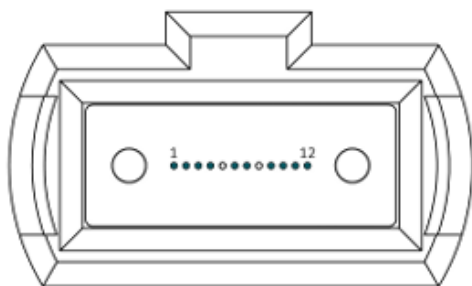
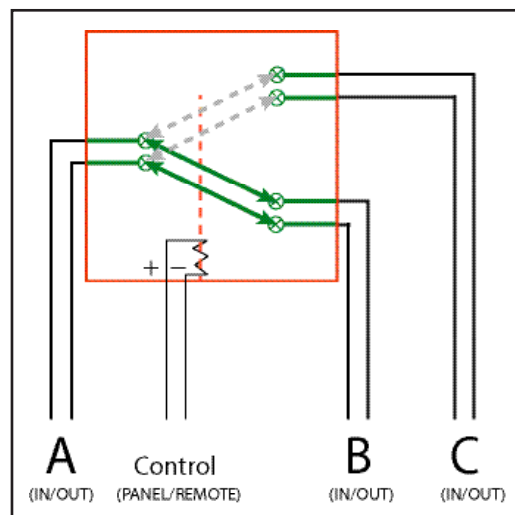


Illustration of connected fiber in the MPO connector. Fiber #5 and #8 not connected.



The Illustration shows the concept of latching between channels.

The fiber connection is physically moved to connect with the chosen channel.

I/O ports

Optical
Connectors

Multimode 850/1300 nm
MPO 12 Female

External control signal

Logically high signal
Logically low signal

+3,3 V to +5 V
0 V to +1,6 V

Connections

Optical
Optical channels in/out
Optical channels in/out
Insertion loss typical
Crosstalk
Repeatability
Switching time
Durability

Multimode 850/1300 nm
1 MPO
2 MPO
<0.3 dB
-80 dB
±0.1 dB
3.5 ms
30 000 000 cycles

Power

Input voltage
Connectors
Power consumption

9 VDC (±25 %)
DC 5.5/2.1 mm
<1 W

Mechanical data and environment

Cabinet dimensions (HxWxD)
Weight
Operating temperature
Storage temperature

30 x 140 x 130 mm
540 g
0 till 40 °C at 10–90 %RH relative humidity, non condensing
-5 till 60 °C at 10–90 %RH relative humidity, non condensing

Ordering information

Product number	Model	Description
60-00-8258	94-101	Fiber Optical Switch 1x2 MPO