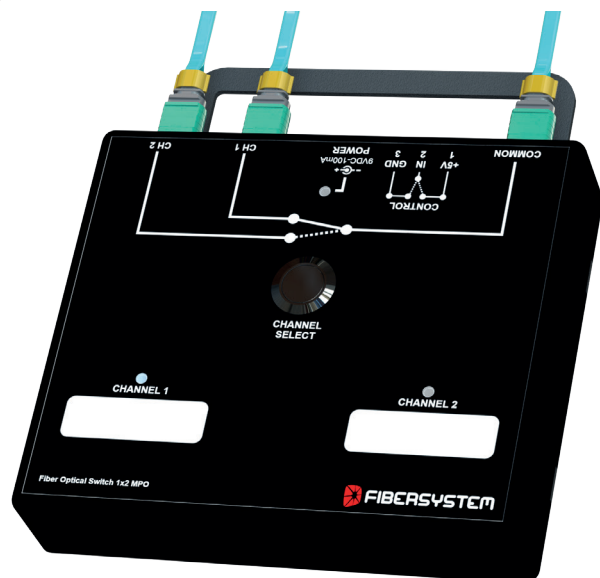


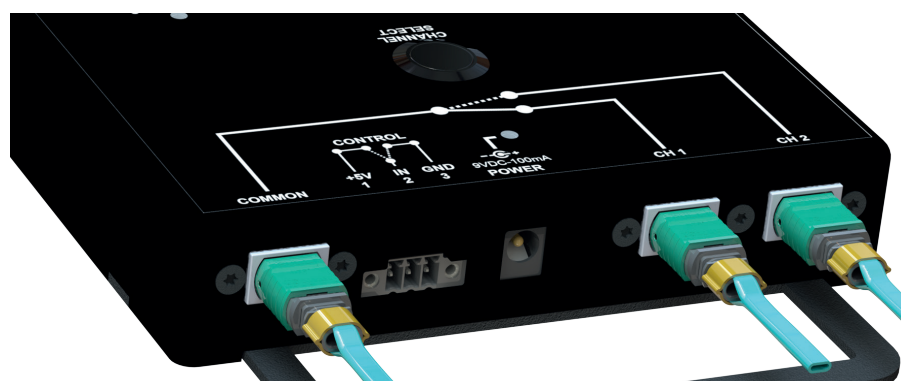


Fiber Optical Switch 1x2 MPO

- 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.

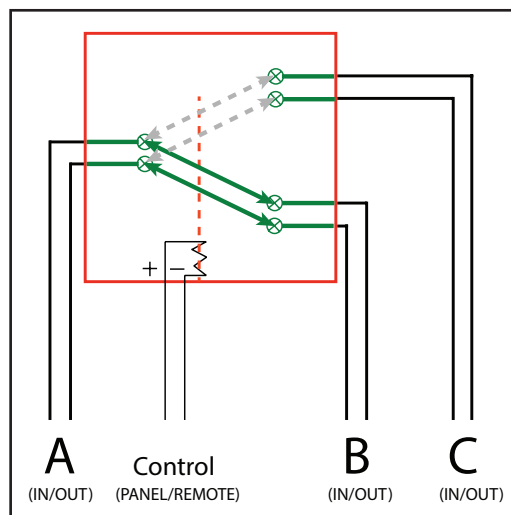
Fibersystem AB is an inventive Swedish company who since 1982 has been working with the application of fiber optic technology in the delivery of solutions fulfilling the customers' multitude of needs.

Product categories:

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

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

External control signal

Logically high signal +3,3 V to +5 V
Logically low signal 0 V to +1,6 V

Connections

Optical Multimode 850/1300 nm
Optical channels in/out 1 LC
Optical channels in/out 2 LC
Insertion loss typical <0.3 dB
Crosstalk -80 dB
Repeatability ±0.1 dB
Switching time 3.5 ms
Durability 30 000 000 cycles

Power

Input voltage 9 VDC (±25 %)
Connectors DC 5.5/2.1 mm
Power consumption <1 W

Mechanical data and environment

Cabinet dimensions (HxWxD) 30 x 140 x 130 mm
Weight 540 g
Operating temperature 0 till 40 °C at 10–90 %RH relative humidity, non condensing
Storage temperature -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