



Features RS-232 Fiber Optical Converter

- Fiber optic transmission, immune to EMI and RFI
- Power Supply for 110 or 230 volts
- Electric 25 pin female or male D-sub connector
- With or without control signals
- Fiber optic connector for plastic- or glass-fiber
- Glass fiber connectors for SMA, ST or SC
- Mountable on connector or on cable

The RS-232 Fiber Optical Converter comes in a variety of versions

The range of Fibersystems RS-232 Fiber Optical Converter makes it possible to use RS-232 as communication interface in environments and applications where electrical connections can't give safe and proper functionality as well as immunity against electrical or magnetical fields.

Fiber optic cables gives advantages over common electrical cabling

- Immune to all kinds of electromagnetic interference and disturbance.
- The communication can't interfere with other signals.
- Enables the use of higher data rates over longer distances.

Installation advantages

- Electrical isolation between the two communication devices.
- No concern have to be taken to high voltage or high current cables when installed.

Application benefits

- The transmission is totally independent of transmission speed
- All type of data will be transparently be forwarded
- The communication can be two way simultaneously and independent of each other

*The Fibersystem **RS-232 Fiber Optical Converters** is encapsulated in corrosive protected steel which gives them a very good **protection against electrical and magnetical fields**. The dimensions are small and with a unique design with either nut or screw fastening of the electrical connector.*

The RS-232 Fiber Optical Converters can easily be mounted either on a connector or directly on a cable. This gives the possibility to easily mount a adapter directly on the converter for change of male/ female or number of pins 9/25 pin D-sub

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

Electric connection

Male or female 25 pin D-sub connector with either nut or screw fastening

Optic connection

Glass fiber SMA, ST or SC
 Plastic fiber HP standard plastic fiber connector for simplex or duplex fiber

Transmission distance

1 channel type 0-38.2 kBaud for plastic, 0-115 kBaud for glass fiber
 Plastic fiber 0-110 m
 Glass fiber Typical 0-2000 m, max. 14 dB attenuation in 62,5/125 fiber
 4 channel type 0-38.4 kBaud for glass fiber
 Plastic fiber, POF 0-45 m
 Glass fiber Multimode, MM, typical 0-2 km, max. 14 dB attenuation in 62,5/125 fiber
 Singlemode, SMF, typical 0,1-40 km, max. 29 dB attenuation in 10/125 fiber

Mechanical / Environment

Dimensions H. 22 mm W. 57 mm L. 85 mm
 Weight 150 gram
 Environment 0 to +50°C, (-40 to +70°C for 21-215), 10 - 90% RHD non condensing (others on request)

Power supply

Voltage 5 V Return/DGND on pin 7, or 7 - 10 V on the external power supply connector
 (7-24 V for 21-215 and 21-217)
 Current max 1 channel type - 200 mA, 4 channel type - 250 mA

Ordering information

Product number	Model	Channels	Description
60-00-7254	21-101	1	Fiber Optical Converter SMA with female D-sub ,RS-232/1
60-00-7255	21-102	1	Fiber Optical Converter SMA with male D-sub ,RS-232/1
60-00-3311	21-107	1	Fiber Optical Converter ST with female D-sub ,RS-232/1
60-00-3310	21-108	1	Fiber Optical Converter ST with male D-sub ,RS-232/1
60-00-5440	21-215	4	Fiber Optical Converter SC SMF 40km,w.fe. D-sub, RS-232/4, 125Mbps
60-00-5554	21-217	4	Fiber Optical Converter SC SM 40km, female D-sub, RS-232/4, 125Mbps
60-00-3235	23-415	4	Fiber Optical Converter SMA with female D-sub ,RS-232/4
60-00-3274	23-416	4	Fiber Optical Converter ST with female D-sub ,RS-232/4
60-00-3481	23-418	4	Fiber Optical Converter ST with RJ45, RS-232/4
92-001	Power supply for 230V to 7.5V , 250 mA		
92-101	Power supply for 110V to 7.5V , 250 mA		
50-65-1725	Adapter D-sub 25 pin female to 9 pin male		
50-65-1655	Adapter D-sub 25 pin male to 9 pin female, 0.3m		
50-65-1265	Adapter D-sub 25 pin male to 25 pin male		
50-65-1388	Adapter D-sub 25 pin female to 25 pin female		