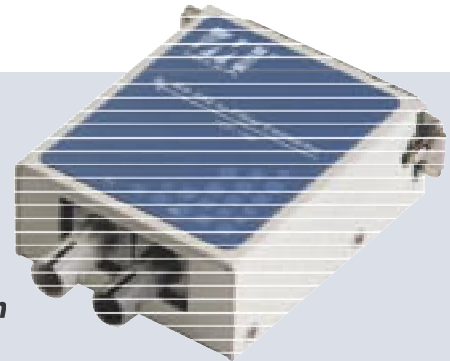


TCF-140-M

RS-232 to ST Fiber Media Converter

Features

- *Extend RS-232 transmission distance up to 2 km*
- *Convert RS-232 signal to ST multi-mode fiber*
- *Plug & Play*
- *Compact size*
- *Decrease signal interference*
- *Protect against electronic degradation/chemical corrosion*
- *Speed up to 115.2 Kbps*



Introduction

TCF-140-M is an RS-232 to fiber optic converter that secures data transmission by using fiber optic transmission to provide immunity from EMI/RFI interference. TCF-140-M is used as an RS-232 point-to-point connection for transmitting

signals up to 2 km, and is the perfect solution for applications where transmission must be protected from electrical interference, surges, lightning, or chemical corrosion.

Specifications

Communications

RS-232 Signal: Supports TxD, RxD, GND
(Female DB25 Interface)

Baud Rate

50 bps to 115.2 kbps

ST Fiber Port: 820 nm multi-mode wavelength

Optical Loss Budget: 10 dB

Fiber Cable: 50/125, 62.5/125, or 100/140 μ m

Environment

Operating Temperature: 0 to 50°C

Humidity: 5 to 95% RH

Mechanical

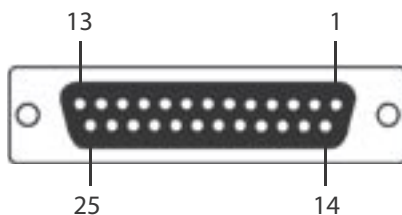
Dimensions (WxDxH): 45x50x20 mm

Weight: 148 \pm 5g

Regulatory Approvals

CE, FCC (Part 15, Class A)

Pin Assignment



Pin	RS-232
2	TxD
3	RxD
4	RTS
5	CTS
6	DSR
7	GND
8	DCD
20	DTR

Ordering Information

TCF-140-M

RS-232 to ST Fiber Multi mode Optic Converter

*Manual Included