

MOD6 - DI

Fiber Optic Din Rail Mounted Modem

Applications

- Pipeline and wellhead monitoring
- Factory Process Control
- SCADA systems
- Long Distance Data Communications
- Traffic Control



Description

The rugged and environmentally hardened MOD6 - DI transmits serial data over a pair of optical fibers. The modem transmits any data rate from DC to 40kbs. The interface is either RS-232 or RS-422/485. A switch changes the TIA/EIA - RS232 - F interface from a DCE to a DTE.

The MOD6 works over multi-mode or singlemode fibers without adjustment. A second power supply input, and a second set of optics can be added to provide redundancy for high reliability circuits.

Features:

- DIN Rail Mounted
- 12V, 24V, 48V DC, or 120/240AC supply
- Passes any data rate up to the max.
- Inherent single or multi-mode operation
- Redundant optics option
- 5 Year warranty
- Remote/Local Loopback
- Very long operating distance
- Available with RS-232, RS-422 or RS-485
- Extended temperature range (-40C to 75C)
- EMI/RFI immune
- CE Tested

Specifications

Optical

Light source	850 nm LED M version
	1300 nm SLED MM version
	1300 nm ELED SM version
Optical Sensitivity	-55 dBm (10-9 BER)
Optical Connectors	ST
Operating distance	
M version -18dBm launch, 62.5/125 fiber, 3.0 dB loss/km	12 Km
M version -36dBm launch, 9/125 fiber, 2.0 dB loss/Km	9 Km
MM version -18dBm launch, 62.5/125 fiber, 1.0 dB loss/km	50 Km
MM version -37dBm launch, 9/125 fiber, 0.5 dB loss/km	45 Km
SM version -16dBm launch, 9/125 fiber, 0.4 dB loss/Km	90 Km

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Specifications (continued)

Electrical

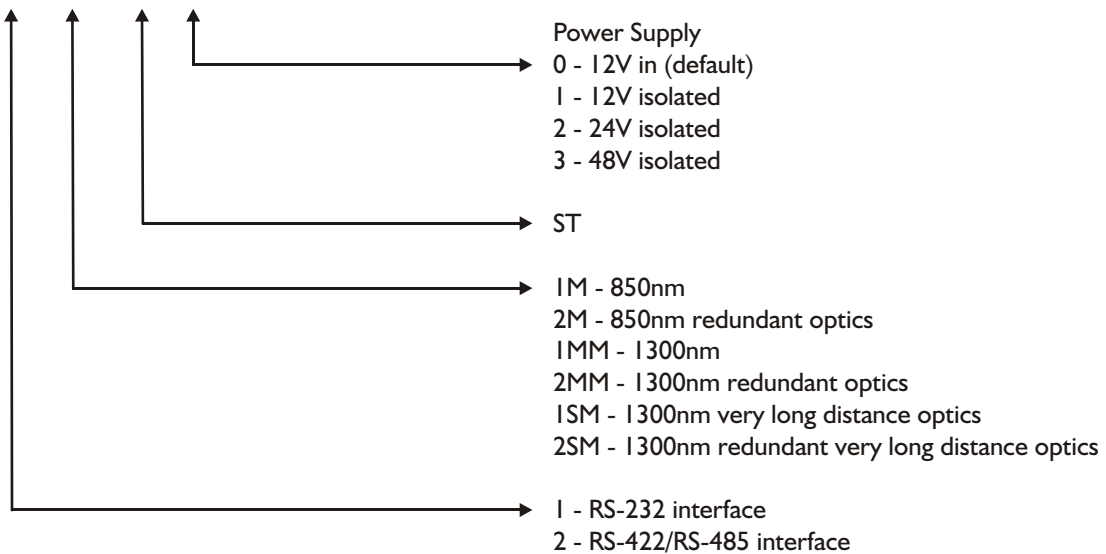
Number of primary data channels.....	1 high speed
Number of control channels (RS-232 interface only).....	5 low speed
Data rate	DC to 40 Kbps
Data rate of each control channel	DC to 6.5 Kbps
Power source	External 12V, 24V, or 48V DC
Supply voltage range	12-18V
Power consumption (12V supply)	< 2.4 Watts

General

Operating temperature.....	- 40C to 74C
Humidity (RH)	10% to 95%
Dimensions (H * W * D).....	13 * 9.5 * 4.3 cm

Part Numbers

MOD6 - DI - X - XXX - XX - X



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