

OPTICAL DATA TRANSMISSION SYSTEM

- Optical connection between two devices RS232C
- Interference free data transfer using optical fibre
- The housing consist of a metallized plastic hood with screw-locking
- Serial, asynchronous and full duplex data transfer
- Full galvanic isolation between connected devices
- No external power supply required
- Not for optical data transfer to and from externally powered modules
- Xon / Xoff protocol
- Data rate up to 40 kbit/s
- 9-pole D-Sub socket



As a system of optical links this product line enables the user to establish optical connections between various different computers via RS232 (V24). This version consist of an opto-electronic transceiver within a standard plug.

Within this product line, a powerful and easy to use plug & play system can be installed. Two different connectors are available: one for plastic fibres and one for glass fibres. When using plastic fibre, only a sharp knife is needed for installation. Units arranged for glass fibres are equipped with standard ST-series fibre optic connectors. The user can attach the fibre without opening the plug. The product line UN-Series allows a low cost, robust and reliable link.

No external power supply is required. The power for the transmit and receive circuitry is drawn from the port of the connected equipment.

TECHNICAL DATA

Max. data transfer rate:	max. 40 kbit/s	Compatible:	IBM compatible
Max. distance:		Operating temperature range:	0°C < T _A < +50°C
Type UN1373B:	max. 60 m with cable	Storage temperature range:	-20°C < T _S < +85°C
Type UN6373B:	2 x 1000 m PMMA-faser max. 1000 m with glass fibre cable / connection pin	Physical dimensions (LxWxH):	77 x 32 x 16 mm ³
Wavelength:		Weight:	35g.
Type UN1373B:	660 nm	Always use two modules of these group!	
Type UN6373B:	850 nm	Because of different sensitivities and power products they will not work in combination with products belonging to other groups.	
Connector:	D-Sub 9-pole socket		

PIN OUT

Pin	Symbol	Signal Name	Comments
1			connected with Pin 4 and Pin 6
2	RxD	Receive Data	
3	TxD	Transmit Data	
4			connected with Pin 1 and Pin 6
5	GND	Signal Ground	
6			connected with Pin 1 and Pin 4
7			connected with Pin 8
8			connected with Pin 7