

## 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 reange:	0°C < T <sub>A</sub> < +50°C
Type UN1373B:	max. 60 m with cable	Storage temperature range:	-20°C < T <sub>S</sub> < +85°C
Type UN6373B:	2 x 1000 µm PMMA-faser	Physical dimensions (LxWxH):	77 x 32 x 16 mm <sup>3</sup>
	max. 1000 m with glass fibre	Weight:	35g.
	cable / connection pin		
Wavelength:			
Type UN1373B:	660 nm		
Type UN6373B:	850 nm		
Connector:	D-Sub 9-pole socket		

**Always use two modules of these group!**  
Because of different sensitivities and power products they will not work in combination with products belonging to other groups.

## 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