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
Max. distance:
  Type UN1373B:  max. 60 m with cable
  Type UN6373B:  max. 1000 m with glass fibre cable / connection pin
Wavelength:
  Type UN1373B:  660 nm
  Type UN6373B:  850 nm
Connector:   D-Sub 9-pole socket

Compatible: IBM compatible
Operating temperature range:  0°C < T_A < +50°C
Storage temperature range:  -20°C < T_S < +85°C
Physical dimensions (LxWxH):  77 x 32 x 16 mm³
Weight:  35g.

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

<table>
<thead>
<tr>
<th>Pin</th>
<th>Symbol</th>
<th>Signal Name</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>RxD</td>
<td>Receive Data</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>TxD</td>
<td>Transmit Data</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>connected with Pin 1 and Pin 6</td>
</tr>
<tr>
<td>5</td>
<td>GND</td>
<td>Signal Ground</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>connected with Pin 1 and Pin 4</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td>connected with Pin 8</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>connected with Pin 7</td>
</tr>
</tbody>
</table>

© 2018 hivolt.de - Subject to change without notice, errors expected