LioN-Link BusHead Profibus-Slave

LioN-Link BusHead IP 67 bus coupler module for the connection between the higher level fieldbus and the fieldbus independent I/O modules, with M12 bus connection, rotary switches for addressing, M12 Lion-Link connection, M12 power supply connection.

Diagnostic Indication

<table>
<thead>
<tr>
<th>LED</th>
<th>Indication</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>I/O Line 1, I/O Line 2</td>
<td>red green off</td>
<td>wrong configuration /module exchanged online, communication with PLC branch not in use (module not connected)</td>
</tr>
<tr>
<td>US1</td>
<td>green</td>
<td>sensor/system power supply Line 1</td>
</tr>
<tr>
<td>US2</td>
<td>green</td>
<td>sensor/system power supply Line 2</td>
</tr>
<tr>
<td>BF</td>
<td>red</td>
<td>bus error</td>
</tr>
<tr>
<td>DIA</td>
<td>red</td>
<td>common indication for periphery faults</td>
</tr>
</tbody>
</table>

Pin Assignment

<table>
<thead>
<tr>
<th>Bus connection M12, B coded</th>
<th>Lion-Link connection M12</th>
<th>Power supply M12</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = +5 V&lt;sup&gt;1&lt;/sup&gt; 2 = Line A 3 = GND 0 V&lt;sup&gt;1&lt;/sup&gt; 4 = Line B 5 = Earth</td>
<td>1 = Drain 2 = 24 V System 3 = 0 V System 4 = Data&lt;sup&gt;+&lt;/sup&gt; 5 = Data&lt;sup&gt;−&lt;/sup&gt;</td>
<td>1 = +24 V 2 = +24 V 3 = 0 V 4 = 0 V 5 = Earth</td>
</tr>
</tbody>
</table>

<sup>1</sup> = internal signals
Be Certain with Belden

LioN-Link BusHead Profibus-Slave
0940 PSL 601

Technical Data

Environmental
Degree of protection: IP 67
Operating temperature range: -10°C (+14°F) to +60°C (+140°F)

Mechanical
Weight: 200 g
Housing material: PBT

Bus system
ID number: 0A36 hex
GSD file: Lum_0A36.GSD
Transmission rate: max. 12 MBaud
Address range: 1–125 dec
Rotary address switches: 1–99 dec
Default address: 99 dec

System/sensors
power supply: Usl, Usz*
Rated voltage: 24 V DC
Voltage range: 19–30 V DC
Power consumption: typ. 100 mA
Reverse polarity protection: yes
Indication: LED green
Output current per branch: max. 3 A

Included in
delivery/accessories: Dust covers M12, attachable labels

* Both supply points on the BusHead must always be connected.

Diagnostic
Diagnosis according to Profibus specification, diagnosis for communication status, module breakdown and periphery faults in the Link system

Purpose
BusHead for LioN-Link standard modules

Part Number
0940 PSL 601

The application of these products in harsh environments should always be checked before use.
Specifications subject to alteration.