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

- Supports Profibus DP-V1 (acyclic communication) Diagnostic

### Diagnostic Indication

<table>
<thead>
<tr>
<th>LED</th>
<th>Indication</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>/O Line 1, /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^1</td>
<td>1 = Drain</td>
<td>1 = +24 V</td>
</tr>
<tr>
<td>2 = Line A</td>
<td>2 = Line B</td>
<td>2 = +24 V</td>
</tr>
<tr>
<td>3 = GND (0 V)</td>
<td>3 = 0 V System</td>
<td>3 = 0 V</td>
</tr>
<tr>
<td>4 = Line B</td>
<td>4 = Data +</td>
<td>4 = 0 V</td>
</tr>
<tr>
<td>5 = Earth</td>
<td>5 = Data -</td>
<td>5 = Earth</td>
</tr>
</tbody>
</table>

^1 = internal signals
Be Certain with Belden

LioN-Link BusHead Profibus-Slave
0940 PSL 602

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 0B99 hex
GSD file Lum_0B99.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 U$_1$, U$_2$
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, Motion module "0942 UEM 783" and I/O-Link module "0942 UEM 620"

Part Number
0940 PSL 602

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