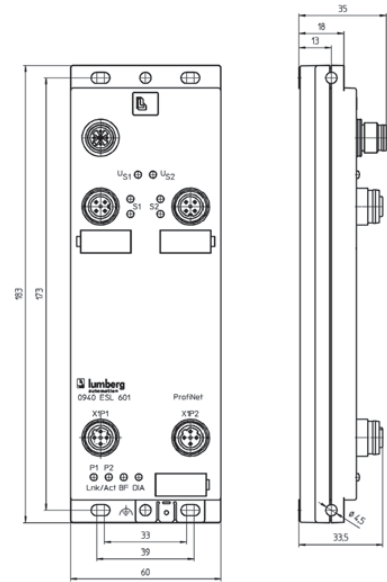**PROFI NET** INDUSTRIAL ETHERNET

LioN-Link BusHead ProfiNet-I/O-Device-Slave (ProfiNet LAN)

0940 ESL 601

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 LioN-Link connection, M12 power supply connection

– M12 LAN connection, D coded, integrated 3-port switch, web server, IRT (Isochrone Real Time communication) –
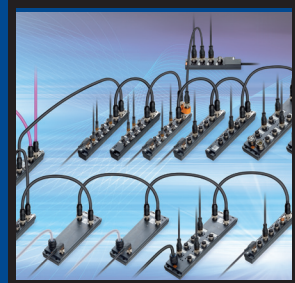
Diagnostic Indication

LED	Indication	Condition
I/O$_{S1}$	red green	wrong configuration /module exchanged online, communication with PLC
I/O$_{S2}$	red green off	wrong configuration /module exchanged online, communication with PLC branch not in use
U$_{S1}$	green	sensor/system power supply Line 1
U$_{S2}$	green	sensor/system power supply Line 2
LNK/ACT	green orange (flashing)	connection to an Ethernet device I/O device exchanging data
BF	red	no I/ O controller or wrong LioN-Link configuration
DIA	red	common indication for periphery faults

Pin Assignment

Bus connection M12, D coded	Lion-Link connection M12	Power supply M12
1 = TD+ 2 = RD+ 3 = TD- 4 = RD Housing = Shield	1 = Drain 2 = 24 V Sensor/System 3 = 0 V Sensor/System 4 = Data + 5 = Data -	1 = +24 V 2 = +24 V 3 = 0 V 4 = 0 V 5 = Earth

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Technical Data

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

Mechanical
Weight   800 g
Housing material   PBT

Bus system   **PROFINET IO**
VendorID   0016A hex
DeviceID   0302 hex
GSDML file   GSDML-V2.2-Lumberg Automation-LioN Link-20100408.xml
Transmission rate   100 Mbit/s full duplex
Transmission method   100Base-TX
Default IP address   0

System/sensors
power supply   **US1, US2***
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
Connection   M12 plug insert (5 poles), see pin assignment

Included in
delivery/accessories   Dust covers M12, attachable labels

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

Purpose
BusHead for LioN–Link standard modules, Motion module "0942 UEM 783"
and I/O-Link module "0942 UEM 620"

Part Number
0940 ESL 601

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

Mouser Electronics

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