



lumbergautomation

A **BELDEN** BRAND

LioN-Link I/O Module with 8 Digital Inputs and Outputs (Shadow Mode)

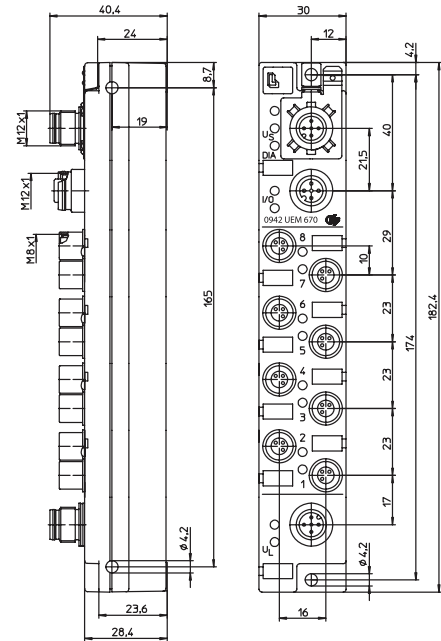
0942 UEM 670



8 IN / 8 OUT (Universal)

LioN-Link I/ O module with 8 digital I/O channels, channels can be used universally as inputs or outputs, M8 sockets, 3 poles Input or output functionality can be switched off while retaining the respective address range*.

* = Only with 0940 PSL 603



Bit Assignment

Bit	7	6	5	4	3	2	1	0
M8 Input								
Byte 0	8	7	6	5	4	3	2	1
M8 Output								
Byte 0	8	7	6	5	4	3	2	1

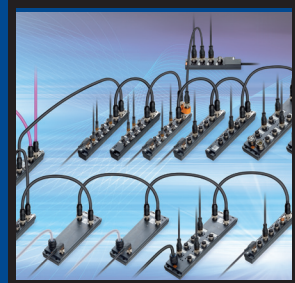
Diagnostic Indication

LED	Indication	Condition
1...8	yellow	channel status
1...8	red	periphery faults (actuator short circuit/overload)
I/O	red red flashing green	wrong configuration / module exchanged not recognized by the BusHead online, communication with BusHead
Us	green	sensor/system power supply
Ul	green	actuator power supply
DIA	red	common indication for periphery faults

Pin Assignment

LioN-Link connection M12	Actuator/sensor connection M8	Actuator supply M12
<p>1 = Drain 2 = 24 V Sensor/System 3 = 0 V Sensor/System 4 = Data + 5 = Data -</p>	<p>1 = +24 V 3 = 0 V 4 = In /Out</p>	<p>1 = +24 V 2 = n.c. 3 = GND (0 V) 4 = n.c. 5 = Earth</p>

Be Certain with Belden



Lion-Link I/O Module with 8 Digital Inputs and Outputs (Shadow Mode)

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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	175 g
Housing material	PBT

System/sensors

power supply	Us
Rated voltage	24 V DC
Voltage range	19–30 V DC
Power consumption	typ. 70 mA
Operating indication	LED green

Input power supply

Us	
Voltage range	24 V DC
Sensor current	700 mA/module
Short circuit proof	yes
Indication	LED green

Input wiring

Type 3 acc. to IEC 61131-2	
Rated input voltage	24 V DC
Channel type N.O.	p-switching
Number of digital channels	max. 8
Channel status indicator	LED yellow per channel
Diagnostic indication	LED red per channel

Output power supply

UL	
Rated voltage	24 V DC
Voltage range	19–30 V DC
Reverse polarity protection	yes/antiparallel diode
Indication	LED green

Output wiring

Rated output current	0.5 A per channel
Short circuit proof	yes
Max. output current	4 A per module
Overload proof	yes
Number of digital channels	max. 8
Channel type N.O.	p-switching
Channel status indicator	LED yellow per channel
Diagnostic indication	LED red per channel

Included in

delivery/accessories	Dust covers M12, attachable labels
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Diagnostic

Periphery fault diagnosis for sensor short circuit, actuator short circuit /channel, sensor low voltage detection

Note

This I/O module can only be used with the BusHead 0940 PSL 603.

In addition to being used as a dedicated input or output module, this module can also be operated in Shadow Input and Shadow Output mode. The process data in both modes is 1 input and 1 output byte. In Shadow Input mode the input byte is set to 0. The outputs can be activated via the output byte. In Shadow Output mode, however, the outputs cannot be activated and the inputs can be used normally.

Part Number

0942 UEM 670



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

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