



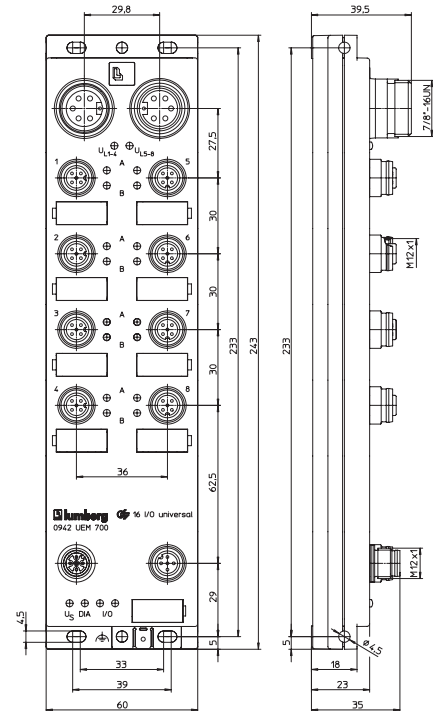
## LioN-Link I/O Module with 16 Digital Inputs and Outputs

0942 UEM 700



### 16 IN/16 OUT (Universal)

LioN-Link I/O module with 16 digital I/O channels, channels can be used universally as inputs or outputs, M12 sockets (8 x), 5 poles, 7/8" actuator supply.



### Bit Assignment

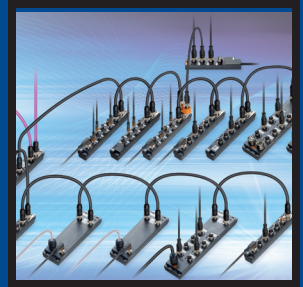
Bit	7	6	5	4	3	2	1	0
<b>M12 Input</b>								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A
<b>M12 Output</b>								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

### Diagnostic Indication

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

### Pin Assignment

LioN-Link connection M12	Actuator/sensor connection M12	Actuator supply 7/8"
<p>1 = Drain 2 = 24 V Sensor/System 3 = 0 V Sensor/System 4 = Data + 5 = Data -</p>	<p>1 = +24 V 2 = In / Out B 3 = 0 V 4 = In / Out A 5 = Earth</p>	<p>1 = GND (0 V) 2 = GND (0 V) 3 = Earth 4 = 24 V (UL 1-4) 5 = 24 V (UL 5-8)</p>



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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 375 g  
 Housing material PBT

#### System/sensors

##### power supply

Rated voltage 24 V DC  
 Voltage range 19–30 V DC  
 Power consumption typ. 100 mA

##### Input power supply

Voltage range min. (U<sub>System</sub> – 1.5 V)  
 Sensor current 700 mA  
 Short circuit proof yes  
 Indication LED green

##### Input wiring

Rated input voltage 24 V DC  
 Channel type N.O. p-switching  
 Number of digital channels max. 16  
 Channel status indicator LED yellow per channel

#### Output power supply

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 1.6 A per channel  
 Short circuit proof yes  
 Max. output current 9 A (12 A\*) per module

\* Test proven and approved under the following conditions:

- Looped through sensor / system power supply max. 2.5 A
- Power supply cable STL 204 (5 x1.00 mm<sup>2</sup>)
- Operating temperature range max. 40°C

Overload proof yes  
 Number of digital channels max. 16  
 Channel type N.O. p-switching  
 Channel status indicator LED yellow per channel  
 Diagnostic indication LED red per channel

#### Diagnostic

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

### Part Number

0942 UEM 700



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