

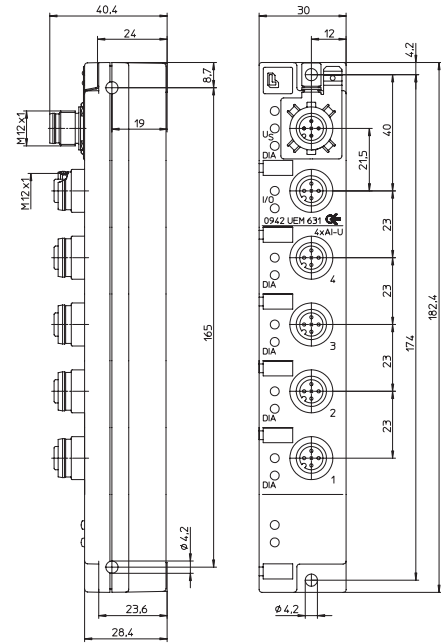
## LioN-Link I/O Module with 4 Analog Inputs

0942 UEM 631



### 4 IN

LioN-Link I/O module with 4 analog inputs 0–10 V to connect standard sensors, M12 sockets (4x), 5 poles





### Bit Assignment

Bit	7	6	5	4	3	2	1	0
	<b>M12 Input</b>							
Byte 0								
Byte 1	Channel 1							
Byte 2								
Byte 3	Channel 2							
Byte 4								
Byte 5	Channel 3							
Byte 6								
Byte 7	Channel 4							

### Diagnostic Indication

LED	Indication	Condition
1...4	yellow	channel status
1...4 DIA	red	periphery fault
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
DIA	red	common indication for periphery faults

### Pin Assignment

Bus connection M12	Sensor connection M12
 <p>1 = Drain 2 = +24 V 3 = GND (0 V) 4 = Data + 5 = Data -</p>	 <p>1 = +24 V 2 = Signal + 3 = GND (0 V) 4 = GND (0 V) 5 = Earth</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 200 g  
 Housing material PBT

**Input power supply**

**Us**  
 Voltage range 24 V DC  
 Sensor current 700 mA/module  
 Short circuit proof yes  
 Power consumption system: typ. 50 mA

**Input wiring**

Measurement signal 0-10 V  
 Resolution 12 bit + sign  
 Measuring fault (full measuring range) ±1.2%  
 Temperature fault (full measuring range) ±0.01%/K  
 Output formats Siemens S7  
 Input impedance 20 kΩ  
 Conversion time typ. 25 ms per channel  
 Potential separation channel/channel no  
 Potential separation power/channel no  
 Number of analog channels max. 4  
 Channel status indicator LED yellow: channel active

**Module diagnostic**

Module status Sensor short circuit

Indication LED red/green (I/O)

**Channel diagnostic**

Indication LED red (DIA)

**GSD configuration**

Module way Resolution 12 bit, 10 bit (Conversion time ≤3 ms/module)  
 Channel way Channel on/off, Diagnostic on /off

**Included in**

**delivery/accessories** Dust covers M12, attachable labels

**Part Number**

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