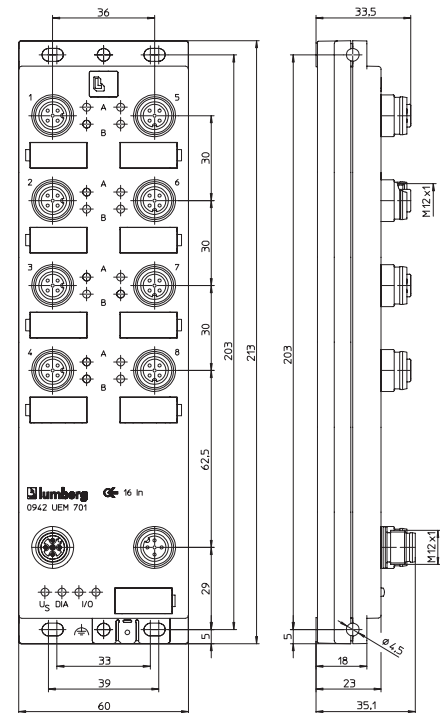# LioN-Link I/O Module with 16 Digital Inputs

0942 UEM 701

16 IN

LioN-Link I/O module with 16 digital inputs to connect standard sensors, M12 sockets (8 x), 5 poles.

Bit Assignment

Bit	7	6	5	4	3	2	1	0
M12 Input								
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 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

LioN-Link connection M12	Actuator/sensor connection M12
1 = Drain 2 = 24 V Sensor/System 3 = 0 V Sensor/System 4 = Data + 5 = Data -	1 = +24 V 2 = In /Out B 3 = 0 V 4 = In / Out A 5 = Earth
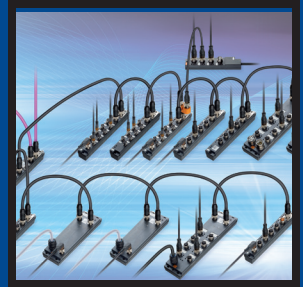
LioN-Link I/O Module with 16 Digital Inputs
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Technical Data

Environmental

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

Mechanical

Weight	275 g
Housing material	PBT

System/sensors
power supply **Us**

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

Input power supply **Us**

Voltage range min.	(U_{System} − 1.5 V)
Sensor current	700 mA
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. 16
Channel status indicator	LED yellow per channel

Diagnostic

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

Part Number
0942 UEM 701

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