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A **BELDEN** BRAND

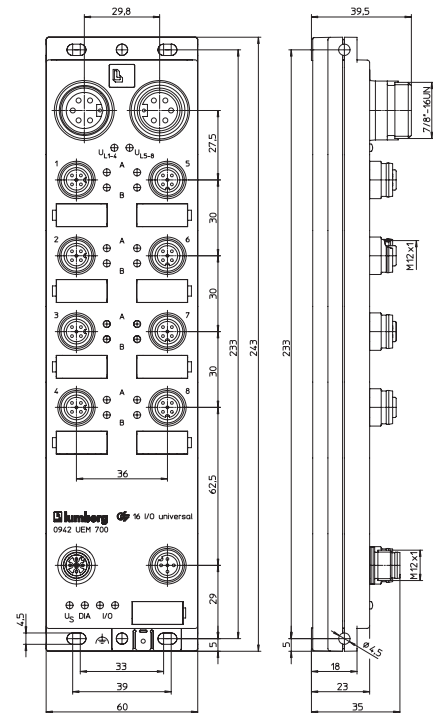
LioN-Link I/O Module with 16 Digital Inputs and Outputs

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.



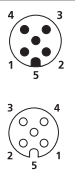
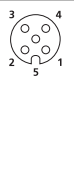
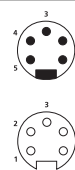
Bit Assignment

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

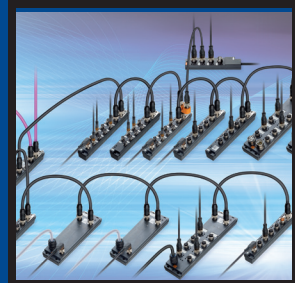
Diagnostic Indication

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
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 M12	Actuator supply 7/8"
 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	 1 = GND (0 V) 2 = GND (0 V) 3 = Earth 4 = 24 V (UL 1-4) 5 = 24 V (UL 5-8)

Be Certain with Belden



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

Input power supply

Voltage range min.	Us
Sensor current	(U _{System} – 1.5 V)
Short circuit proof	700 mA
Indication	yes
	LED green

Input wiring

Rated input voltage	Type 3 acc. to IEC 61131-2
Channel type N.O.	24 V DC
Number of digital channels	p-switching
Channel status indicator	max. 16
	LED yellow per channel

Output power supply

Rated voltage	UL
Voltage range	24 V DC
Reverse polarity protection	19–30 V DC
Indication	yes/antiparallel diode
	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 mm²)
- 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

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

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