

LioN-Link I/O Module with 4 Digital Outputs

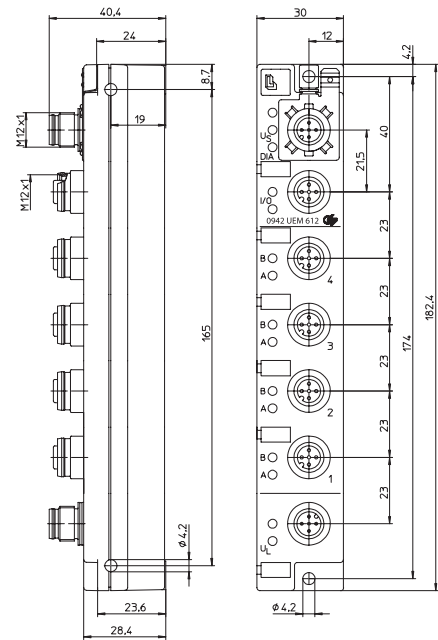
0942 UEM 612



4 OUT

LioN-Link I/O module with 4 digital outputs, M12 sockets (4 x), 5 poles, M12 actuator supply, 2 A per channel, one channel per socket

– Suitable for safety critical applications within Performance Levels A through D –



Bit Assignment

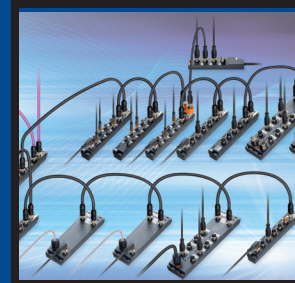
Bit	7	6	5	4	3	2	1	0
M12 Output								
Byte 0	-	-	-	-	4A	3A	2A	1A

Diagnostic Indication

LED	Indication	Condition
1...4 A	yellow	channel status
1...4 DIA	red	periphery fault /output active with no actuator supply voltage
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
U _L	green	actuator power supply
DIA	red	common indication for periphery faults

Pin Assignment

LioN-Link connection M12	Actuator connection M12	Actuator supply M12
<p>1 = Drain 2 = 24 V Sensor/System 3 = 0 V Sensor/System 4 = Data + 5 = Data -</p>	<p>1 = n.c. 2 = n.c. 3 = 0 V 4 = Out A 5 = Earth</p>	<p>1 = +24 V DC 2 = +24 V DC 3 = GND 0 V 4 = GND 0 V 5 = Functional 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

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

Output power supply

	UL
Rated voltage	24 V DC
Voltage range	19–28.8 V DC (SELV/PELV acc. to EN60950-1)
Reverse polarity protection	yes/antiparallel diode, external fuse with 4/6 A medium time lag mandatory
Indication	LED green
Connection	M12 connector (3 or 5 poles)

Output wiring

Rated output current	2.0 A per channel
Short circuit proof	yes
Max. output current	4 A (3 pole supply line); 6 A (5 pole supply line)
Overload proof	yes
Number of digital channels	max. 4
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 actuator short circuit /overload per channel.

Note

Due to the need to guarantee reliable, all pole disconnection of the output voltage supply on the customer side, utilization in emergency power off circuits is possible for applications up to Performance Level D. The absence of reaction between the logic and output supply circuits in the event of a hardware fault in the module is guaranteed.

The instructions in the LioN-Link manual must be observed in this case.

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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