



LioN-Link I/O Module with 4 Digital Outputs

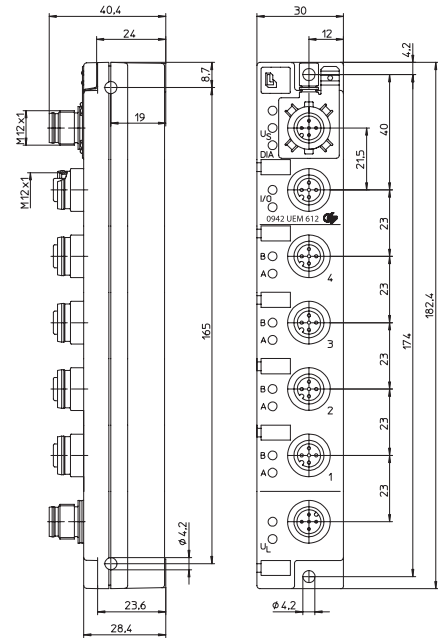
0942 UEM 612



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

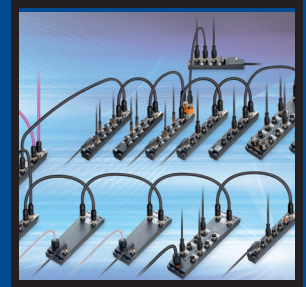
Bit	7	6	5	4	3	2	1	0
M12 Output								
Byte 0	-	-	-	-	4A	3A	2A	1A

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
Ul	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

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.