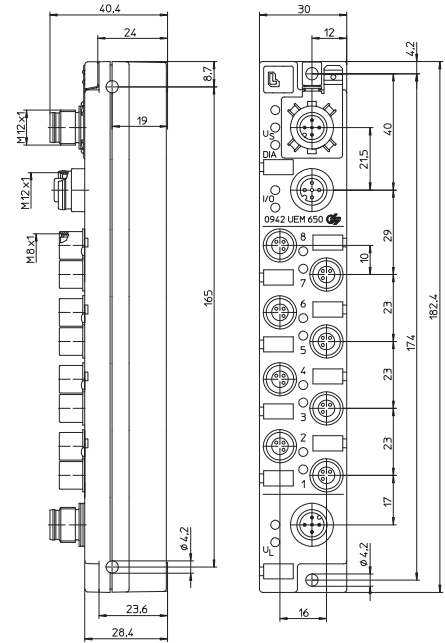


## LioN-Link I/O Module with 8 Digital Inputs and Outputs

0942 UEM 650



8 IN/8 OUT universal LioN-Link I/O module with 8 digital I/O channels, channels can be used universally as inputs or outputs, M8 sockets (8x), 3 poles, M12 actuator supply



### Bit Assignment

| Bit              | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|------------------|---|---|---|---|---|---|---|---|
| <b>M8 Input</b>  |   |   |   |   |   |   |   |   |
| Byte 0           | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| <b>M8 Output</b> |   |   |   |   |   |   |   |   |
| Byte 0           | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

### Diagnostic Indication

| LED            | Indication                   | Condition   |
|----------------|------------------------------|---|
| 1...8          | yellow                       | channel status  |
| 1...8          | red                          | periphery faults (actuator short circuit/overload)  |
| I/O            | red<br>red flashing<br>green | wrong configuration / module exchanged<br>not recognized by the BusHead<br>online, communication with BusHead |
| U <sub>s</sub> | green                        | sensor/system power supply  |
| U <sub>L</sub> | green                        | actuator power supply   |
| DIA            | red                          | common indication for periphery faults  |

### Pin Assignment

| LioN-Link connection M12   | Actuator/sensor connection M8  | Actuator supply M12   |
|--|--|---|
| <ul style="list-style-type: none"> <li>1 = Drain</li> <li>2 = 24 V Sensor/System</li> <li>3 = 0 V Sensor/System</li> <li>4 = Data +</li> <li>5 = Data -</li> </ul> | <ul style="list-style-type: none"> <li>1 = +24 V</li> <li>3 = 0 V</li> <li>4 = In/Out</li> </ul> | <ul style="list-style-type: none"> <li>1 = +24 V</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = n.c.</li> <li>5 = Earth</li> </ul> |

## Technical Data

|                             |             |
|-----------------------------|-------------|
| Degree of protection        | IP 67       |
| Operating temperature range | -10°C/+60°C |
| Weight                      | 175 g       |
| Housing material            | PBT         |

### System/sensors

|                      |                      |
|----------------------|----------------------|
| <b>power supply</b>  | <b>U<sub>S</sub></b> |
| Rated voltage        | 24 V DC              |
| Voltage range        | 19–30 V DC           |
| Power consumption    | typ. 70 mA           |
| Operating indication | LED green            |

### Input power supply

|                      |                                    |
|----------------------|------------------------------------|
| <b>U<sub>S</sub></b> |                                    |
| Voltage range        | min. (U <sub>system</sub> – 1.5 V) |
| Sensor current       | 700 mA/module                      |
| Short circuit proof  | yes                                |
| Indication           | LED green                          |

### Input wiring

|                                   |                        |
|-----------------------------------|------------------------|
| <b>Type 3 acc. to IEC 61131-2</b> |                        |
| Rated input voltage               | 24 V DC                |
| Channel type N.O.                 | p-switching            |
| Number of digital channels        | max. 8                 |
| Channel status indicator          | LED yellow per channel |
| Diagnostic indication             | LED red per channel    |

### Output power supply

|                             |                        |
|-----------------------------|------------------------|
| <b>U<sub>L</sub></b>        |                        |
| Rated voltage               | 24 V DC                |
| Voltage range               | 19–30 V DC             |
| Reverse polarity protection | yes/antiparallel diode |
| Indication                  | LED green              |

### Output wiring

|                            |                        |
|----------------------------|------------------------|
| Rated output current       | 0.5 A per channel      |
| Short circuit proof        | yes                    |
| Max. output current        | 4 A per module         |
| Overload proof             | yes                    |
| Number of digital channels | max. 8                 |
| 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 sensor short circuit, actuator short circuit, sensor low voltage detection

## Designation

0942 UEM 650



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