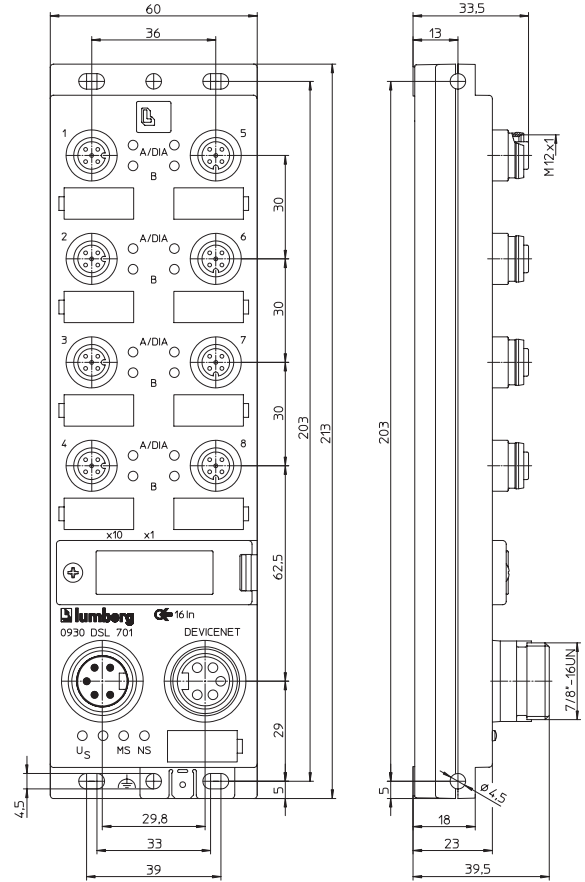


**0930 DSL 701 16 In**

LioN-M DeviceNet module with 16 digital inputs (PNP) to connect standard sensors, female Micro (M12) sensor connections, and Mini (7/8") bus connections.



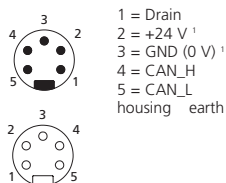
| Bit Assignment     |    |    |    |    |    |    |    |    |
|--------------------|----|----|----|----|----|----|----|----|
| Bit                | 7  | 6  | 5  | 4  | 3  | 2  | 1  | 0  |
| <b>M12 Input</b>   |    |    |    |    |    |    |    |    |
| <b>Byte 0</b>      | 4B | 4A | 3B | 3A | 2B | 2A | 1B | 1A |
| <b>Byte 1</b>      | 8B | 8A | 7B | 7A | 6B | 6A | 5B | 5A |
| <b>Diagnostics</b> |    |    |    |    |    |    |    |    |
| <b>Byte 2</b>      | S8 | S7 | S6 | S5 | S4 | S3 | S2 | S1 |

S1...8: Socket Status 1...8

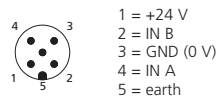
| Diagnostic Indication |                                    |   |
|-----------------------|------------------------------------|---|
| LED                   | Indication                         | Condition   |
| 1...8 A/B             | yellow                             | channel status  |
| 1...8 A/DIA           | red                                | periphery fault   |
| U <sub>s</sub>        | green                              | sensor/system power supply                                    |
| MS                    | green                              | device is ready for operation                                 |
|                       | red                                | unrecoverable fault   |
|                       | red flashing<br>red/green flashing | recoverable fault<br>self test is running                     |
| NS                    | green                              | online, communication with PLC                                |
|                       | green flashing                     | online, no communications with PLC                            |
|                       | red flashing                       | time-out state of one or more I/O connections                 |
|                       | red                                | failed communication device, BUS-OFF status, duplicate MAC-ID |
| DIA                   | red                                | common indication for periphery faults                        |

**Pin Assignment**

**Bus Connection 7/8"**



**Input M12**



<sup>1</sup> = system sensors

|                              |   |
|------------------------------|---|
| <b>Technical Data</b>        |   |
| Degree of protection         | IP 67   |
| Operating temperature range  | 0°C (+32°F) / +60°C (+140°F)                      |
| Weight                       | 380 g   |
| Housing material             | PBT   |
| <b>Bus system</b>            |   |
| Supported transmission rates | 125 / 250 / 500 kBaud                             |
| Auto baud                    | yes   |
| Address range                | 0-63 dec  |
| Rotary address switches      | 0-63 dec  |
| Default address              | 63 dec  |
| <b>System Power Supply</b>   |   |
| Nominal voltage              | 24 V DC   |
| Voltage range                | 11-30 V DC  |
| Power consumption            | 70 mA   |
| Reverse polarity protection  | yes   |
| <b>Input Power Supply</b>    |   |
| Voltage range                | U <sub>s</sub> min. (U <sub>system</sub> - 1.5 V) |
| Sensor current               | 200 mA (at Tamb 30°C)                             |
| Short circuit-proof          | yes   |
| Indication                   | LED, Green  |
| <b>Inputs</b>                |   |
| Rated input voltage          | 24 V DC   |
| Input circuit N.O.           | PNP   |
| Number of digital channels   | 16  |
| Channel status indicator     | LED, Yellow per Channel                           |
| Diagnosis indicator          | LED, Red per Socket                               |

| Part Number  | I/O             |
|--------------|-----------------|
| 0930 DSL 701 | 16 Inputs (PNP) |

