

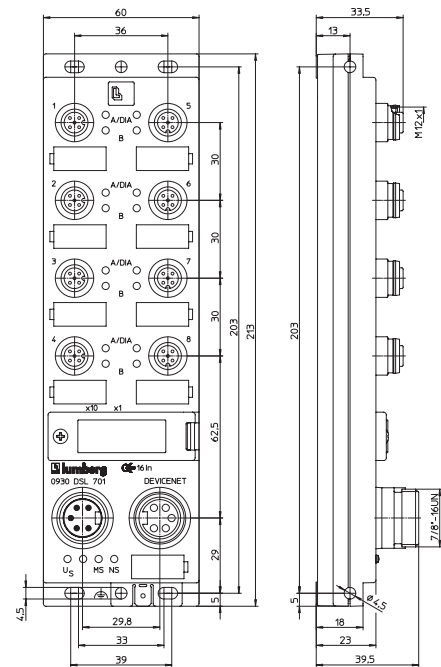


## 0930 DSL 701



## 16 IN

DeviceNet device with 16 digital inputs to connect standard sensors, M12 socket, rotary switches for addressing, 7/8" bus connection.



## Bit Assignment

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

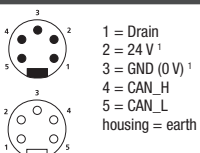
S1...8: Socket Status 1...8

## Diagnostic Indication

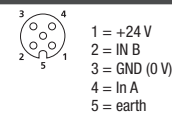
| LED              | Indication         | Condition   |
|------------------|--------------------|---|
| 1...8 A/B        | yellow             | channel status  |
| 1...8 A/DIA      | red                | periphery fault   |
| Us               | green              | sensor power supply   |
| MS               | green              | device is ready for operating                                 |
| (Module status)  | green flashing     | wrong configuration   |
|                  | red                | unrecoverable fault   |
|                  | red flashing       | recoverable fault   |
|                  | red/green flashing | self test is running  |
| NS               | green              | online, communication with PLC                                |
| (Network status) | green flashing     | online, no communication with PLC                             |
|                  | red flashing       | time-out state of one or more I/O connections                 |
|                  | red                | failed communication device, BUS-OFF Status, duplicate MAC-ID |

## Pin Assignment

### Bus connection 7/8"



### Input M12



1 = system/sensors



## Be Certain with Belden

### DeviceNet I/O Modules with 16-Digital Inputs

0930 DSL 701

#### Technical Data

##### Environmental

|                             |                                 |
|-----------------------------|---------------------------------|
| Degree of protection        | IP 67                           |
| Operating temperature range | -10°C (+14°F) to +60°C (+140°F) |

##### Mechanical

|                  |       |
|------------------|-------|
| Weight           | 380 g |
| Housing material | PBT   |

##### Bus system

|                         |                |
|-------------------------|----------------|
| Transmission rate       | max. 500 kBaud |
| Address range           | 0–63 dec       |
| Rotary address switches | 0–63 dec       |
| Default address         | 63 dec         |

##### System power supply

|                             |            |
|-----------------------------|------------|
| Rated voltage               | 24 V DC    |
| Voltage range               | 11–30 V DC |
| Power consumption           | 100 mA     |
| Reverse polarity protection | yes        |

##### Input power supply

|                     |                                  |
|---------------------|----------------------------------|
| Voltage range min.  | Us                               |
| Sensor current      | (U <sub>System</sub> - 1.5 V)    |
| Short circuit-proof | 200 mA (at Tamb 30°C) per socket |
| Indication          | yes                              |
|                     | LED green                        |

##### Inputs

|                            |                            |
|----------------------------|----------------------------|
| 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                    |
| Diagnostic indication      | LED yellow per channel     |
|                            | LED red per channel        |

##### Included in delivery/accessories

|                   |           |
|-------------------|-----------|
| Dust covers M12   | 4 pieces  |
| Attachable labels | 10 pieces |

**NOTE:** EDS-files can be downloaded from our website

<http://www.beldensolutions.com/en/Service/Downloadcenter/>

[Software\\_Lumberg/index.phtml](#)

#### Part Number

0930 DSL 701



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

# Mouser Electronics

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