

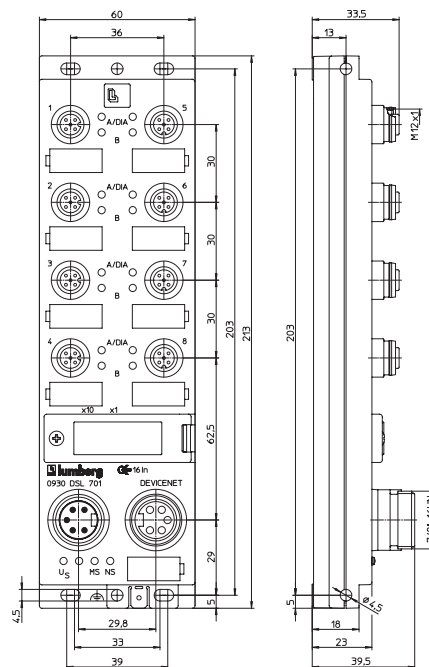


0930 DSL 701



## 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
	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	
<p>1 = Drain 2 = 24 V<sup>1</sup> 3 = GND (0 V)<sup>1</sup> 4 = CAN_H 5 = CAN_L housing = earth</p>	<p>1 = +24 V 2 = IN B 3 = GND (0 V) 4 = In A 5 = earth</p>	1 = system/sensors



## Be Certain with Belden

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

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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	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 (U <sub>System</sub> - 1.5 V)
Sensor current	200 mA (at T <sub>amb</sub> 30°C) per socket
Short circuit-proof	yes
Indication	LED green

##### Inputs

Rated input voltage	24 V DC
Channel type N.O.	p-switching
Number of digital channels	max. 16
Channel status indicator	LED yellow per channel
Diagnostic indication	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](http://www.beldensolutions.com/en/Service/Downloadcenter/Software_Lumberg/index.phtml)

#### Part Number

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