



0930 DSL 107

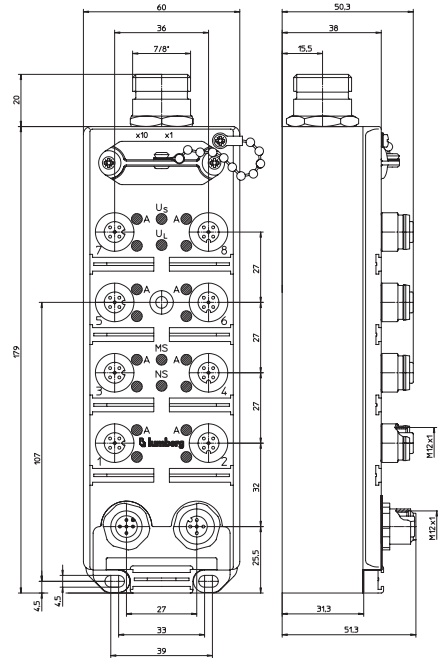


## DeviceNet I/O Modules with 8-Digital Outputs

### 8 OUT

DeviceNet device with 8 digital outputs (2 A) to connect standard actuators, M12 socket, rotary switches for addressing, M12 bus connection, 7/8" actuator supply.

- Replaced 0930 DSL 103 -



### Bit Assignment

Bit	7	6	5	4	3	2	1	0
<b>Diagnostic: Input</b>								
Byte 0	-	-	-	-	-	-	ASC	UVA
<b>M12 Output</b>								
Byte 0	8	7	6	5	4	3	2	1

ASC: Actuator short-circuit  
UVA: Undervoltage actuator

### Diagnostic Indication

LED	Indication	Condition
1...8 A	yellow	channel status
1...8	red	actuator short-circuit / actuator overload
U <sub>s</sub>	green	actuator power supply
U <sub>L</sub>	green	system power supply
OVL	red	sensor short-circuit / sensor overload
MS (Module status)	green	device is ready for operating
	green flashing	incorrect or incomplete configuration
	red	unrecoverable fault
	red flashing	recoverable fault
	red/green flashing	self test is running
NS (Network status)	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 M12	Actuator supply 7/8"	Output M12
<ul style="list-style-type: none"> <li>1 = Drain</li> <li>2 = 24 V<sup>1</sup></li> <li>3 = GND (0 V)<sup>1</sup></li> <li>4 = CAN_H</li> <li>5 = CAN_L</li> </ul>	<ul style="list-style-type: none"> <li>1 = earth</li> <li>2 = +24 V</li> <li>3 = GND (0 V)</li> </ul>	<ul style="list-style-type: none"> <li>1 = n.c.</li> <li>2 = n.c.</li> <li>3 = GND (0 V)</li> <li>4 = OUT</li> <li>5 = earth</li> </ul>

1 = system



Be Certain with Belden

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### Technical Data

#### Environmental

Degree of protection	IP 67
Operating temperature range	-0°C (+32°F) to +60°C (+140°F)

#### Mechanical

Weight	570 g
Housing material	PUR

#### Bus system

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

#### Electronics power supply

Rated voltage	24 V DC
Voltage range	11–30 V DC
Power consumption	max. 80 mA
Reverse polarity protection	yes
Indication	LED green

#### Output power supply

Rated voltage	24 V DC
Voltage range	19–30 V DC
Potential separation	present
Reverse polarity protection	yes/antiparallel diode
Indication	LED green

#### Outputs

Rated output current	2 A per channel
Short circuit-proof	yes
Max. output current	12 A
Overload-proof	yes
Number of digital channels	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	2 pieces
Attachable labels	10 pieces

#### Communication modes

Polled I/O message connection  
Change of state/ cyclic message connection  
Explicit message connection

**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.