



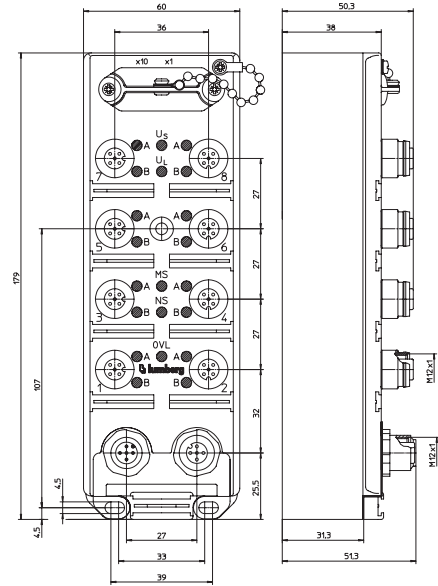
0930 DSL 108



16 IN (p)

DeviceNet device with 16 digital inputs (p-switching) to connect standard sensors, M12 socket, rotary switches for addressing, M12 bus connection.

- Replaced 0930 DSL 101 -



Bit Assignment

Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	8A	7A	6A	5A	4A	3A	2A	1A
Byte 1	8B	7B	6B	5B	4B	3B	2B	1B
Diagnostic: Input								
Byte 2	OVL	-	-	-	-	-	-	-

OVL: Overload status

Diagnostic Indication

LED	Indication	Condition
1...8 A/B	yellow	channel status
U _S	green	sensor power supply
U _L	green	system power supply
OVL	red	sensor short-circuit / sensor overload
MS	green	device is ready for operating
(Module status)	green flashing	incorrect or incomplete configuration
	red	unrecoverable fault
	red flashing	recoverable fault
NS	red/green flashing	self test is running
	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	Input M12
<ul style="list-style-type: none"> 1 = Drain 2 = 24 V¹ 3 = GND (0 V)¹ 4 = CAN_H 5 = CAN_L 	<ul style="list-style-type: none"> 1 = +24 V 2 = IN B 3 = GND (0 V) 4 = In A 5 = earth

1 = system/sensors



Be Certain with Belden

DeviceNet I/O Modules with 16-Digital Inputs

0930 DSL 108

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

Input power supply

Voltage range min. (U_{System} - 1.5 V)
 Sensor current max. 800 mA
 Short circuit-proof yes
 Indication LED green

Inputs

Rated input voltage 24 V DC
 Signal state “1” 11–30 V
 Signal state “0” -3–5 V
 Input current at 24 V 10 mA
 Channel type N.O. p-switching
 Number of digital channels 16
 Channel status indicator LED yellow 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

Part Number

0930 DSL 108



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

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