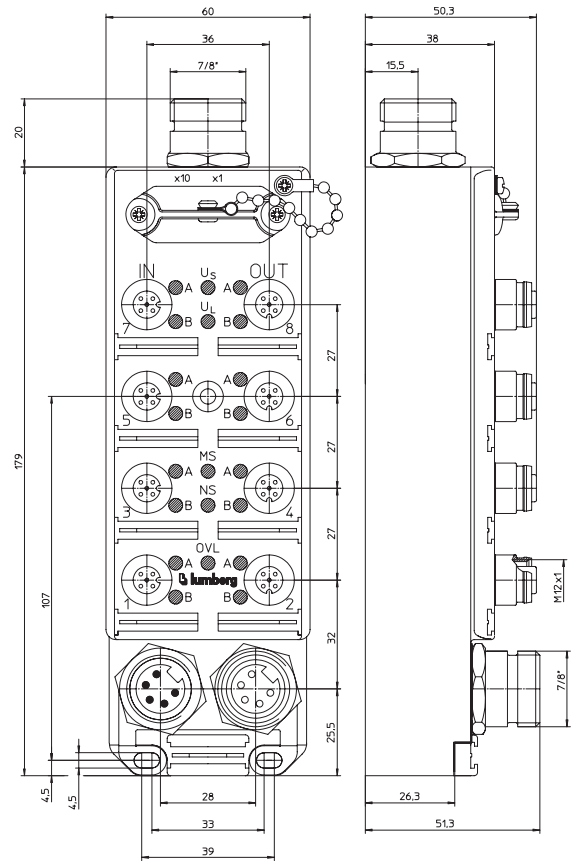


0930 DSL 314 **8 In / 8 Out**

DeviceNet modules with 8 digital inputs (PNP) to connect standard sensors and 8 digital outputs (0.5 A) to connect standard actuators. Female Micro (M12) sensor/actuator connections with Mini (7/8") bus connections, and male 3-pole Mini (7/8") power connections.



Bit Assignment

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

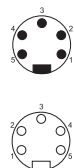
OVL: Overload status
 ASC: Actuator short-circuit
 UVA: Undervoltage actuator

Diagnostic Indication

LED	Indication	Condition
1...8	yellow	channel active
7,4,6,8 A/B	red	actuator short circuit
U _s	green	actuator supply active
U _i	green	module electronic supply active
OVL	red	sensor short circuit / sensor overload
MS (module status)	green red flashing red	module ready error (not critical) error (critical)
NS (network status)	green green flashing red flashing red	online, connected with master online, no connection time-out status for the last I/O connection Bus off status, redundant Mac ID

Pin Assignment

Bus Connection M12



- 1 = Drain
- 2 = +24 V DC ¹
- 3 = GND (0 V) ¹
- 4 = CAN_H
- 5 = CAN_L

Power Supply 7/8"



- 1 = earth
- 2 = +24 V DC
- 3 = GND (0 V)

Input M12



- 1 = +24 V DC
- 2 = IN B
- 3 = 0 V
- 4 = IN A
- 5 = earth

Output M12



- 1 = n.c.
- 2 = OUT B
- 3 = GND (0 V)
- 4 = OUT A
- 5 = earth

¹ = System

Technical data		Output power supply (U_S)	
Degree of protection	IP 67	Nominal voltage	24 V DC
Operating temperature	0°C(32°F) /+60°C(140°F)	Voltage range	19 V - 30 V DC
Weight	570 g	Galvanic isolation	yes
Bus system	DeviceNet	Reverse polarity protection	yes
Supported transmission rates	125 / 250 / 500 kBaud	Actuator supply indicator (Us)	LED green
Auto baud	yes	Outputs	
Address range	0-63 dec	Nominal output current	0.5A / channel
Rotary address switches	0-63 dec	max. current per group	5 A
Default address	63 dec	Number of channels	8
System power supply (U_L)		Channel type N.O.	PNP
Nominal voltage	24 V DC	Short circuit protection	yes
Voltage range	11 V - 30 V DC	Channel status indicator	LED yellow / channel
Current consumption	max. 80 mA	Short circuit / overload detection	LED red / channel
Reverse polarity protection	yes	Communication modes	
Operating indicator (UL)	LED green	Explicit message connection	
Input power supply (U_S)		Polled I/O message connection	
Nominal voltage	max. (UL - 1.5 V)	Change of state/cyclic message connection	
Total current of all sensors	800 mA max.		
Short circuit protection	yes		
Sensor short circuit indicator (OVL)	LED red		
Inputs			
Nominal input voltage	24 V DC		
Input circuit	PNP		
Number of digital channels	8		
Channel status indicator	LED yellow / channel		

Part Number	I/O
0930 DSL 314	8 Inputs / 8 Outputs

