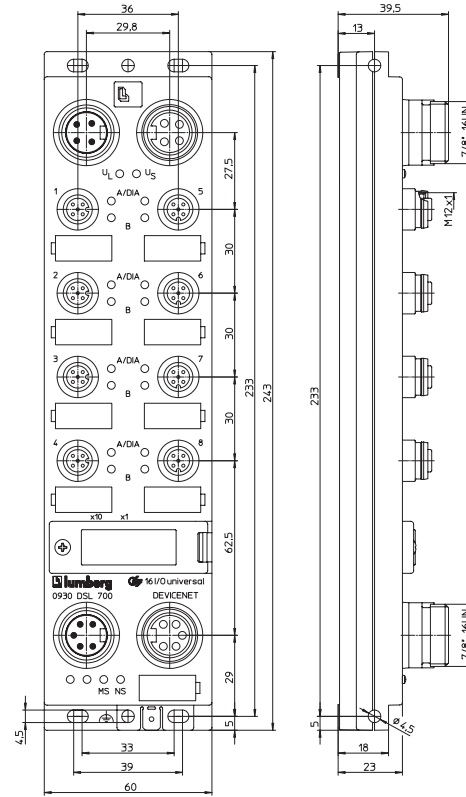


**0930 DSL 700** 16 In / 16 Out Universal

LioN-M DeviceNet module with 16 digital I/O channels. Channels can be used universally as inputs (PNP) or outputs (1.6 A), female Micro (M12) I/O connections, Mini (7/8") bus connections, and 4-pole Mini (7/8") power connections.



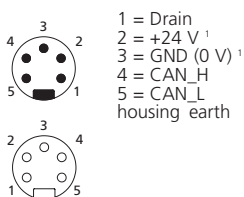
Bit Assignment								
Bit	7	6	5	4	3	2	1	0
<b>M12 Input</b>								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A
<b>Diagnostics</b>								
Byte 2	S8	S7	S6	S5	S4	S3	S2	S1
<b>M12 Output</b>								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

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
U <sub>s</sub>	green	sensor/power supply
U <sub>i</sub>	green	actuator power supply
MS	green	device is ready for operation
	red	unrecoverable fault
	red flashing	recoverable fault
	red/green flashing	self test is running
NS	green	online, communication with PLC
	green flashing	online, no communications with PLC
	red flashing	time-out state of one or more I/O connections
	red	failed communication device, BUS-OFF status, duplicate MAC-ID
DIA	red	common indication for periphery faults

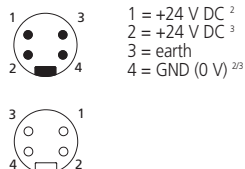
**Pin Assignment**

**Bus Connection 7/8"**



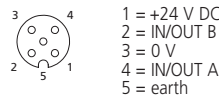
- 1 = Drain
- 2 = +24 V<sup>1</sup>
- 3 = GND (0 V)<sup>1</sup>
- 4 = CAN\_H
- 5 = CAN\_L housing earth

**Power Supply 7/8"**



- 1 = +24 V DC<sup>2</sup>
- 2 = +24 V DC<sup>3</sup>
- 3 = earth
- 4 = GND (0 V)<sup>2/3</sup>

**Input/Output M12**



- 1 = +24 V DC
  - 2 = IN/OUT B
  - 3 = 0 V
  - 4 = IN/OUT A
  - 5 = earth
- 1 = System: galvanically separated to sensor/actuators  
 2 = Actuators  
 3 = Sensors

<b>Technical Data</b>		<b>Output power supply</b>	
Degree of protection	IP 67	Nominal voltage	24 V DC
Operating temperature range	0°C (+32°F) / +60°C (+140°F)	Voltage range	19-30 V DC
Weight	380 g	Reverse polarity protection	Yes/AntiparallelDiode
Housing material	PBT	Indication	LED, Green
<b>Bus system</b>		<b>Outputs</b>	
Supported transmission rates	125 / 250 / 500 kBaud	Rated output current	1.6 A Per Channel
Auto baud	yes	Short circuit-proof	yes
Address range	0-63 dec	Max. output current	9 A Per Module
Rotary address switches	0-63 dec	Overload-proof	Yes
Default address	63 dec	Number of digital channels	Max. 16
<b>System power supply</b>		Channel type N.O.	PNP
Rated voltage	24 V DC	Channel status indicator	LED, Yellow (Per Channel)
Voltage range	11-30 V DC	Diagnostic indication	LED, Red (Per Socket)
Power consumption	70 mA		
Reverse polarity protection	yes		
<b>Input power supply</b>			
Voltage range	19-30 V DC		
Sensor current	200 mA (at Tamb 30°C)		
Short circuit-proof	yes		
Indication	LED, Green		
<b>Inputs</b>			
Nominal input voltage	24 V DC		
Channel type N.O.	PNP		
Number of digital channels	Max. 16		
Channel status indicator	LED, Yellow per Channel		
Diagnosis indicator	LED, Red per Socket		

Part Number	I/O
0930 DSL 700	16 Inputs / 16 Outputs Universal

