



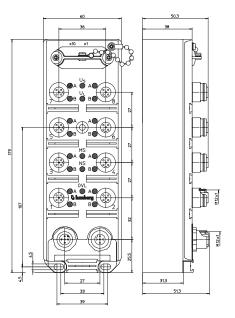
DeviceNet I/O Modules with 16-Digital Inputs

0930 DSL 109



16 IN (n)

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



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	-	-	-	-	-	-	-
OVI : Overload status								

OVL: Overload status

Diagnostic Indication

LED	Indication	Condition			
18 A/B	yellow	channel status			
Us	green	sensor power supply			
UL	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			
	red/green flashing	self test is running			
NS	green	online, communication with PLC			
(Network status)	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

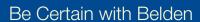


1 = Drain 2 = 24 V ¹ 3 = GND (0 V) ¹ 4 = CAN_H $5 = CAN_L$



3 = GND (0 V) 4 = In A

1 = system/sensors





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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 DeviceNet

Transmission rate max. 500 kBaud

AutobaUd yes 0-63 dec Address range Rotary address switches 0-63 dec Default address 63 dec

Electronics power supply

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

Input power supply

Voltage range min. (USystem - 1.5 V) max. 800 mA Sensor current Short circuit-proof Indication LED green

Inputs

Rated input voltage 24 V DC Signal state "1" < (US - 11V) > (Us - 5 V)Signal state "0" Input current at 6 V -10 mA Channel type N.O. n-switching Number of digital channels

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

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