



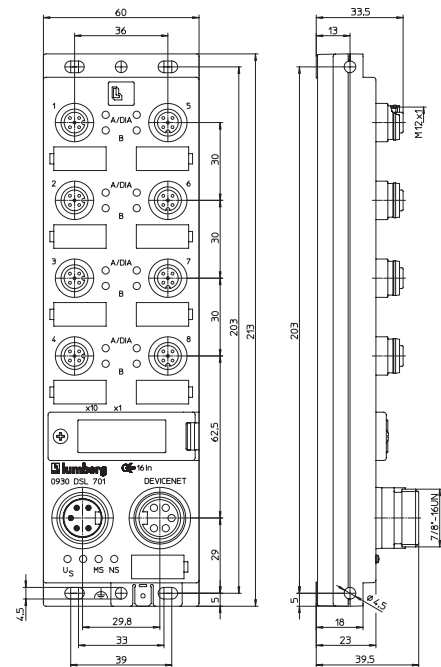
0930 DSL 701



DeviceNet I/O Modules with 16-Digital Inputs

16 IN

DeviceNet device with 16 digital inputs to connect standard sensors, M12 socket, rotary switches for addressing, 7/8" bus connection.



Bit Assignment

Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A
Diagnostic								
Byte 2	S8	S7	S6	S5	S4	S3	S2	S1

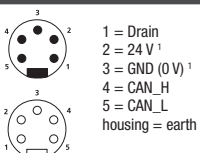
S1...8: Socket Status 1...8

Diagnostic Indication

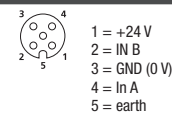
LED	Indication	Condition
1...8 A/B	yellow	channel status
1...8 A/DIA	red	periphery fault
Us	green	sensor power supply
MS	green	device is ready for operating
(Module status)	green flashing	wrong configuration
	red	unrecoverable fault
	red flashing	recoverable fault
	red/green flashing	self test is running
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 7/8"



Input M12



1 = system/sensors



Be Certain with Belden

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Technical Data

Environmental

Degree of protection	IP 67
Operating temperature range	-10°C (+14°F) to +60°C (+140°F)

Mechanical

Weight	380 g
Housing material	PBT

Bus system

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

System power supply

Rated voltage	24 V DC
Voltage range	11–30 V DC
Power consumption	100 mA
Reverse polarity protection	yes

Input power supply

Voltage range min.	Us (U _{System} - 1.5 V)
Sensor current	200 mA (at Tamb 30°C) per socket
Short circuit-proof	yes
Indication	LED green

Inputs

Rated input voltage	Type 3 acc. to IEC 61131-2 24 V DC
Channel type N.O.	p-switching
Number of digital channels	max. 16
Channel status indicator	LED yellow per channel
Diagnostic indication	LED red per channel

Included in delivery/accessories

Dust covers M12	4 pieces
Attachable labels	10 pieces

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.