# DeviceNet I/O Modules with 8-Digital Inputs

DeviceNet

0930 DSL 651

8 IN

DeviceNet device with 8 digital inputs to connect standard sensors, M8 socket, 3 poles, rotary switches for addressing, M12 bus connection.
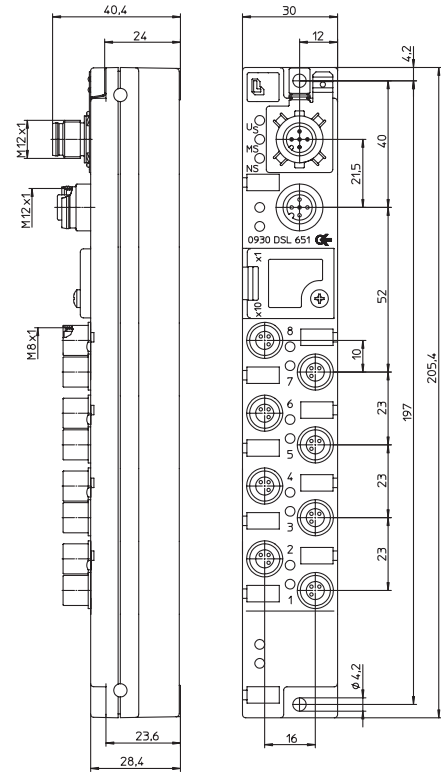
Bit Assignment

Bit	7	6	5	4	3	2	1	0
M8 Input								
Byte 0	8	7	6	5	4	3	2	1
Diagnostic								
DIA-Byte	S8	S7	S6	S5	S4	S3	S2	S1

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

Diagnostic Indication

LED	Indication	Condition
1...8	yellow	channel status
1...8	red	periphery fault
U_S	green	sensor/system power supply
U_L	green	actuator power supply
MS (Module status)	green	device is ready for operating
	green flashing	wrong configuration
	red	unrecoverable fault
	red flashing	recoverable fault
	red/green flashing	self test is running
NS (Network status)	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
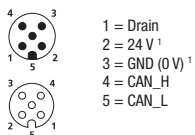
Bus connection M12	Input M8	
1 = Drain 2 = 24 V [1] 3 = GND (0 V) [1] 4 = CAN_H 5 = CAN_L	1 = +24 V 3 = GND (0 V) 4 = In	1 = system/sensors
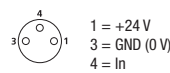
Be Certain with Belden

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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   190 g
Housing material   PBT

Bus system   **DeviceNet**
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   60 mA
Reverse polarity protection   yes

Input power supply   **Us**
Voltage range min. $(U_{System} - 1.5\,V)$
Sensor current   100 mA (at T_{amb} 30°C) per socket
Short circuit-proof   yes
Indication   LED green

Inputs   **Type 3 acc. to IEC 61131-2**
Rated input voltage   24 V DC
Channel type N.O.   p-switching
Number of digital channels   max. 8
Channel status indicator   LED yellow per channel
Diagnostic indication   LED red per channel

Included in delivery/accessories
Dust covers M8   2 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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