

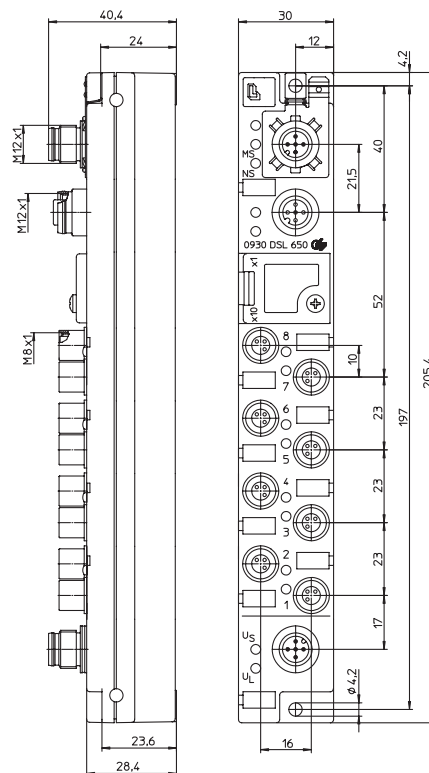


0930 DSL 650



## 8 IN / 8 OUT (universal)

DeviceNet device with 8 digital I/O channels, channels can be used universally as inputs or outputs, M8 socket, 3 poles, rotary switches for addressing, M12 bus connection, M12 actuator supply.



## Bit Assignment

Bit	7	6	5	4	3	2	1	0
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### M8 Input

Byte 0	8	7	6	5	4	3	2	1
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### Diagnostic

DIA-Byte	S8	S7	S6	S5	S4	S3	S2	S1
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S1...8: Socket Status 1...8

### M8 Output

Byte 0	8	7	6	5	4	3	2	1
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## Diagnostic Indication

LED	Indication	Condition
1...8	yellow	channel status
1...8	red	periphery fault
Us	green	sensor/system power supply
Ul	green	actuator 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
	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	Actuator supply M12	Input/Output M8	
<ul style="list-style-type: none"> <li>1 = Drain</li> <li>2 = 24 V<sup>1</sup></li> <li>3 = GND (0 V)<sup>1</sup></li> <li>4 = CAN_H</li> <li>5 = CAN_L</li> </ul>	<ul style="list-style-type: none"> <li>1 = +24 V<sup>2</sup></li> <li>2 = +24 V<sup>3</sup></li> <li>3 = GND (0 V)<sup>2</sup></li> <li>4 = GND (0 V)<sup>3</sup></li> <li>5 = earth</li> </ul>	<ul style="list-style-type: none"> <li>1 = +24 V</li> <li>3 = GND (0 V)</li> <li>4 = In</li> </ul>	<ul style="list-style-type: none"> <li>1 = system: galvanically separated to sensors/actuators</li> <li>2 = actuators</li> <li>3 = sensors</li> </ul>



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**DeviceNet I/O Modules with 8-Digital Inputs and 8-Digital Outputs**

0930 DSL 650

**Technical Data**

**Environmental**

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

**Mechanical**

Weight 200 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 60 mA  
 Reverse polarity protection yes

**Input power supply**

Voltage range min. (U<sub>System</sub> - 1.5 V)  
 Sensor current 100 mA (at T<sub>amb</sub> 30°C) per socket  
 Short circuit-proof yes  
 Indication LED green

**Inputs**

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

**Output power supply**

Rated voltage 24 V DC  
 Voltage range 19–30 V DC  
 Reverse polarity protection yes/antiparallel diode  
 Indication LED green

**Outputs**

Rated output current 0.5 A per channel  
 Short circuit-proof yes  
 Max. output current 4 A per module  
 Overload-proof yes  
 Number of digital channels max. 8  
 Channel type N.O. p-switching  
 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](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.