



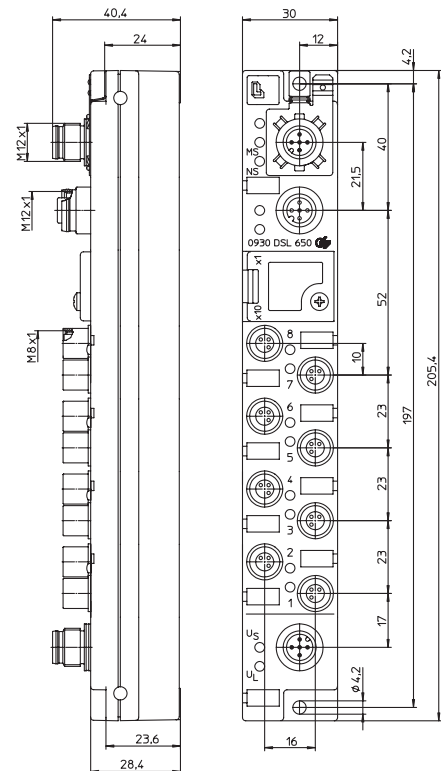
0930 DSL 650



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

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

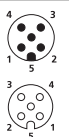
Byte 0	8	7	6	5	4	3	2	1
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Diagnostic Indication

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



1 = Drain
2 = 24 V¹
3 = GND (0 V)¹
4 = CAN_H
5 = CAN_L
housing = earth

Actuator supply M12



1 = +24 V²
2 = +24 V³
3 = GND (0 V)²
4 = GND (0 V)³
5 = earth

Input/Output M8



1 = +24 V
2 = GND (0 V)
3 = GND (0 V)
4 = In

1 = system: galvanically separated to sensors/actuators
2 = actuators
3 = sensors



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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	200 g
Housing material	PBT

Bus system

Transmission rate	DeviceNet 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.	Us
Sensor current	(U _{System} - 1.5 V)
Short circuit-proof	100 mA (at T _{amb} 30°C) per socket
Indication	yes
	LED green

Inputs

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

Output power supply

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

Part Number

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