



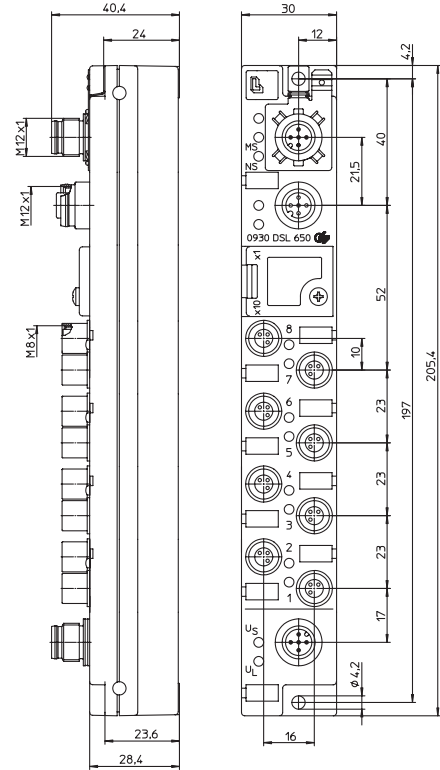
DeviceNet I/O Modules with 8-Digital Inputs and 8-Digital Outputs

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"> 1 = Drain 2 = 24 V¹ 3 = GND (0 V)¹ 4 = CAN_H 5 = CAN_L housing = earth 	<ul style="list-style-type: none"> 1 = +24 V² 2 = +24 V³ 3 = GND (0 V)² 4 = GND (0 V)³ 5 = earth 	<ul style="list-style-type: none"> 1 = +24 V 3 = GND (0 V) 4 = In 	<ul style="list-style-type: none"> 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 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_{System} - 1.5 V)
 Sensor current 100 mA (at T_{amb} 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

Part Number
 0930 DSL 650



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