



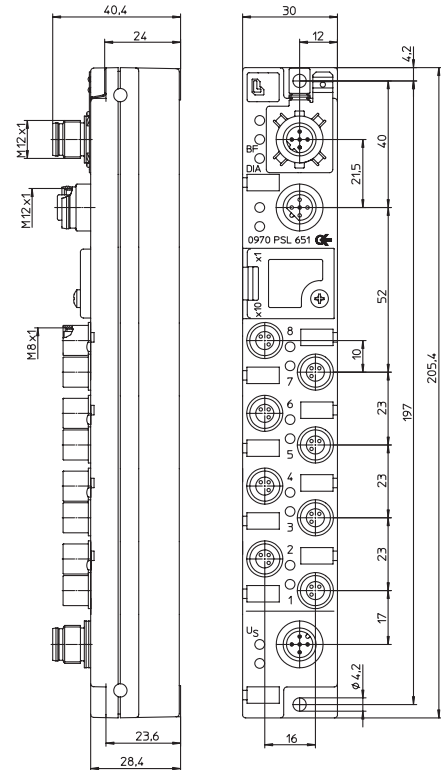
0970 PSL 651



## Profibus I/O Modules with 8-Digital Inputs

### 8 IN

Profibus-DP device with 8 digital inputs to connect standard sensors, M8 socket, 3 poles, rotary switches for addressing, M12 bus connection, M12 power supply.



### Bit Assignment

Bit	7	6	5	4	3	2	1	0
M8 Input								
Byte 0	8	7	6	5	4	3	2	1

### Diagnostic Indication

LED	Indication	Condition
1...8	yellow	channel status
1...8	red	periphery fault
Us	green	sensor/system power supply
BF	red	bus error
DIA	red	common indication for periphery faults

### Pin Assignment

Bus connection M12	Power supply M12	Input M8	
<p>1 = +5 V<sup>I</sup> 2 = Line A 3 = GND (0 V) 4 = Line B 5 = earth housing = earth</p>	<p>1 = - 2 = +24 V<sup>2</sup> 3 = GND (0 V) 4 = GND (0 V) 5 = Earth</p>	<p>1 = +24 V 3 = GND (0 V) 4 = In</p>	<p>1 = internal signals: galvanically separated to sensors 2 = system/sensors</p>



# Be Certain with Belden

## Profibus-DP I/O Modules with 8-Digital Inputs

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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

ID number	09C9 hex
GSD file	Lum_09C9.GSD
Transmission rate	max. 12 MBaud
Address range	1–125 dec
Rotary address switches	1–99 dec
Default address	99 dec

#### Profibus

#### System/Sensors power supply

Rated voltage	24 V DC
Voltage range	19–30 V DC
Power consumption	90 mA
Reverse polarity protection	yes
Input power supply	Us
Voltage range	min. (U <sub>System</sub> - 1.5 V)
Sensor current	100 mA (at Tamb 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

#### Type 3 acc. to IEC 61131-2

#### Diagnostic

Module diagnostic and single channel diagnostic according to Profibus specification (please see operating instructions under [www.beldensolutions.com/downloads](http://www.beldensolutions.com/downloads))

#### Included in delivery/accessories

Dust covers M8	2 pieces
Attachable labels	10 pieces

### Part Number

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

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