

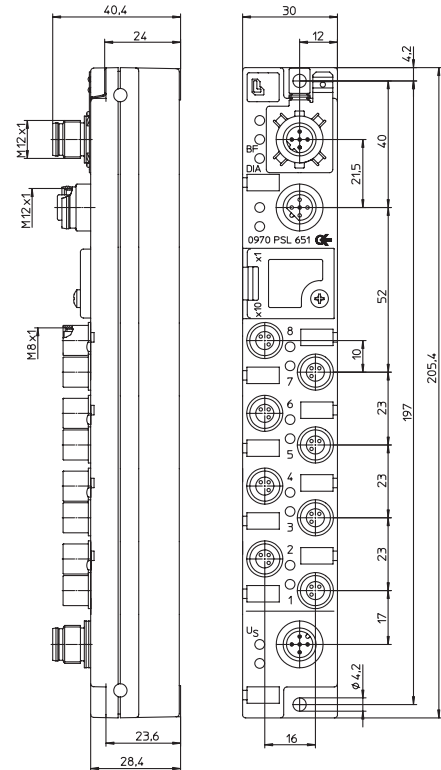


0970 PSL 651



## 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

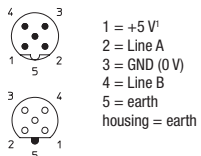
Bit	7	6	5	4	3	2	1	0
M8 Input								
Byte 0	8	7	6	5	4	3	2	1

## Diagnostic Indication

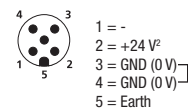
LED	Indication	Condition
1...8	yellow	channel status
1...8	red	periphery fault
Us	green	sensor/system power supply
BF	red	bus error
DIA	red	common indication for periphery faults

## Pin Assignment

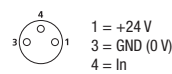
### Bus connection M12



### Power supply M12



### Input M8



1 = internal signals: galvanically separated to sensors  
2 = system/sensors



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

**Profibus**  
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

#### 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

**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

#### 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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