



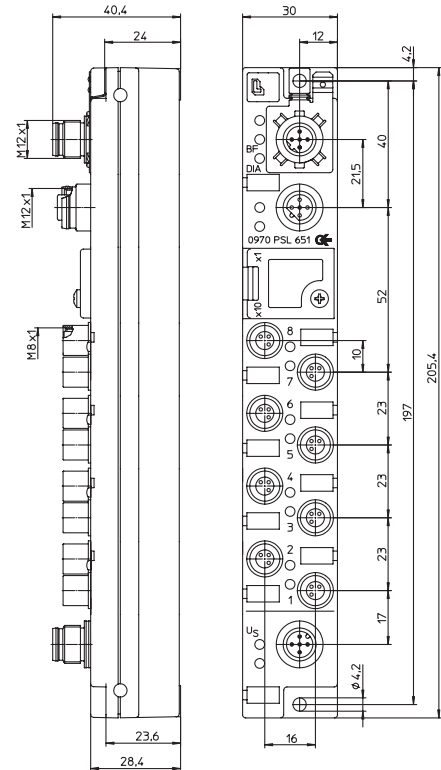
0970 PSL 651



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

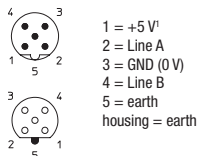
Bit	7	6	5	4	3	2	1	0
M8 Input								
Byte 0	8	7	6	5	4	3	2	1

Diagnostic Indication

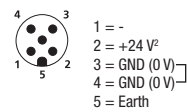
LED	Indication	Condition
1...8	yellow	channel status
1...8	red	periphery fault
Us	green	sensor/system power supply
BF	red	bus error
DIA	red	common indication for periphery faults

Pin Assignment

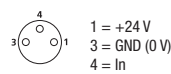
Bus connection M12



Power supply M12



Input M8



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_{System} - 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)

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.