

A BELDEN BRAND

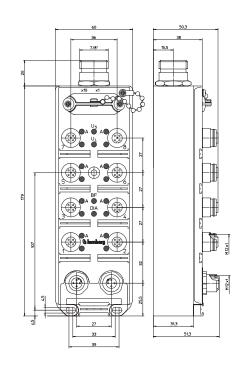


0970 PSL 111

Profibus I/O Modules with 16-Digital Inputs

16 IN

Profibus-DP device with 16 digital inputs to connect standard sensors, combined M12 socket, rotary switches for addressing, M12 bus connection, M23 power supply.



Bit Assignment

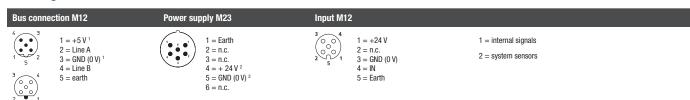
Bit	7	6	5	4	3	2	1	0	
M12 Input									
Byte 0	8A	7A	6A	5A	4A	ЗA	2A	1A	
Byte 1	8B	7B	6B	5B	4B	3B	2B	1B	
Diagnostic									
DIA-Byte	-	-	-	OVL	-	-	-	-	

OVL: Overlaod status

Diagnostic Indication

LED	Indication	Condition
18 A/B	yellow	channel status
Us	green	sensor/system power supply
UL	green	module electronic supply active
BF	red	bus error
DIA	red	module diagnostics (sensor short-circuit / sensor overload)

Pin Assignment



Be Certain with Belden



Profibus I/O Modules with 16-Digital Inputs

0970 PSL 111

Technical Data

Environmental

Degree of protection	IF
Operating temperature range	-

Mechanical Weight

Housing material

Bus system

ID number GSD file Transmission rate Address range Rotary address switches Default address

System/Sensors power supply

Rated voltage Voltage range Power consumption Reverse polarity protection

Electronics power supply

Rated voltage Voltage range Power consumption Reverse polarity protection Indication

Input power supply

Voltage range Total current of all sensors Short circuit-proof Indication

Inputs

Rated input voltage Signal state "1" Signal state "0" Input current at 24 V Channel type N.O. Number of digital channels Channel status indicator

Part Number 0970 PSL 111 IP 67 -0°C (+32°F) to +60°C (+140°F)

535 g PUR

Profibus 044E hex Lum_044E.gsd max. 12 MBaud 1–126 dec 1–99 dec 99 dec

24 V DC 19–30 V DC 90 mA yes

UL 24 V DC 19–30 V DC typ. 60 mA yes LED green

Us min. (UL - 1.5 V) max. 800 mA

yes LED green

Type 3 acc. to IEC 61131-2L

24 V DC 11–30 V -3–5 V typ. 6 mA p-switching 16 LED yellow per channel

Diagnostic Module diagnostic and single channel diagnostic according to Profibus speci-

fication (please see operating instructions under www.beldensolutions.com/ downloads)

Included in delivery/accessories

Dust covers M12 Attachable labels 2 pieces 10 pieces



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumberg Automation: 0970 PSL 111