



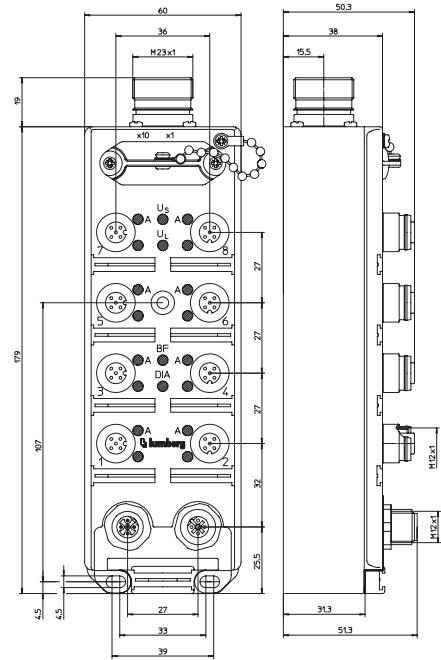
0970 PSL 112



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

### 8 OUT

Profibus-DP device with 8 digital outputs to connect standard actuators, combined M12 socket, rotary switches for addressing, M12 bus connection, M23 power supply.



### Bit Assignment

Bit	7	6	5	4	3	2	1	0
<b>M12 Output</b>								
Byte 0	8	7	6	5	4	3	2	1
<b>Diagnostic</b>								
DIA-Byte	-	UVA	ASC	-	-	-	-	-

UVA: Undervoltage actuator  
ASC: Actuator short-circuit

### Diagnostic Indication

LED	Indication	Condition
1...8 A	yellow	channel status
1...8	red	actuator short-circuit
Us	green	actuator supply active
UL	green	module electronic supply active
BF	red	bus error
DIA	red	module diagnostics (sensor short-circuit / sensor overload)

### Pin Assignment

Bus connection M12	Power supply M23	Input M12	
<p>1 = +5 V<sup>1</sup> 2 = Line A 3 = GND (0 V)<sup>1</sup> 4 = Line B 5 = earth</p>	<p>1 = Earth 2 = +24 V<sup>2</sup> 3 = GND (0 V)<sup>2</sup> 4 = +24 V<sup>3</sup> 5 = GND (0 V)<sup>3</sup> 6 = n.c.</p>	<p>1 = n.c. 2 = n.c. 3 = GND (0 V) 4 = OUT 5 = Earth</p>	<p>1 = internal signals 2 = actuators 3 = system</p>



# Be Certain with Belden

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### Technical Data

#### Environmental

Degree of protection IP 67  
 Operating temperature range -0°C (+32°F) to +60°C (+140°F)

#### Mechanical

Weight 535 g  
 Housing material PUR

#### Bus system

**Profibus**  
 ID number 044D hex  
 GSD file Lum\_044D.gsd  
 Transmission rate max. 12 MBaud  
 Address range 1–126 dec  
 Rotary address switches 1–99 dec  
 Default address 99 dec

#### Output power supply

**Us**  
 Rated voltage 24 V DC  
 Voltage range 19–30 V DC  
 Potential separation present  
 Reverse polarity protection yes/antiparallel diode  
 Indication LED green

#### Outputs

**Type 2 A acc. to IEC 61131-2**  
 Rated output current 2 A per channel  
 Short circuit-proof yes  
 Max. output current 15 A per module  
 Overload-proof yes  
 Number of digital channels 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 M12 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.