


## Product information

### 0970 PSL 111

Industrial Connecting Solutions:I/O Modules:I/O Modules Activ - Stand Alone:Profibus:I/O Modules with Digital Inputs (DI):0970 PSL 111

<https://e-catalog.beldensolutions.com:443/link/57078-24228-255441-219791-219793-220043-220194/en/conf/ui/state>

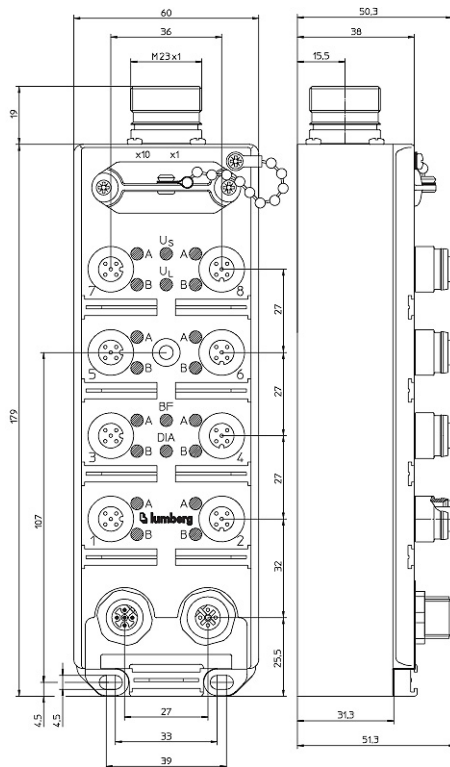
Name	0970 PSL 111
	
	Profibus-DP device with 16 digital inputs to connect standard sensors, combined FIXCON/M12 socket, rotary switches for addressing, M12 bus connection, M23 power supply.
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Type	0970 PSL 111
Order No.	27075
Description	Profibus-DP device with 16 digital inputs to connect standard sensors, combined FIXCON/M12 socket, rotary switches for addressing, M12 bus connection, M23 power supply.
Note	The application of these products in harsh environments should always be checked before use.
Color of housing	orange
Product characteristics	Oil resistance, Vibration resistance
<b>Classification</b>	
Belden class	I/O Modules with Digital Inputs (DI)
Belden brand	Lumberg-Automation
<b>Mechanical data</b>	
Weight	535 g
Dimensions (W x H x D)	60 mm x 179 mm x 51.3 mm
<b>Environmental conditions</b>	
Environmental temperature	0 °C ... 60 °C
Degree of protection (IP), mounted	IP67
<b>Materials</b>	
Housing material / Molded body	PUR
<b>Approvals</b>	
Approvals	UL
<b>Bus system</b>	
Fieldbus system	Profibus DP
Bus Connection	M12
Device Identification	044E hex
Transmission rate	12 MBd
Address range	1 dec. ... 126 dec.
Rotary address switches	1 dec. ... 99 dec.
Default address	99 dec.
<b>System power supply</b>	
System power supply	U <sub>L</sub>
Nominal voltage (System power supply)	24 V DC
Voltage range DC (System power supply)	19 V ... 30 V
Power consumption (System power supply)	60 mA
Reverse polarity protection (System power supply)	Yes
Operating Indication (System power supply)	LED green
<b>Sensors power supply</b>	
Sensors power supply	U <sub>S</sub>
Voltage range (Sensor power supply)	min. (U <sub>L</sub> -1.5V)
Sensor current (at TU30°C) (Sensor power supply)	800 mA

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<b>Short-circuit proof (Sensor power supply)</b>	Yes
<b>Indication (Sensor power supply)</b>	LED green
<b>Inputs</b>	
<b>Input wiring</b>	Type 3 acc. to IEC 61131-2
<b>Signal type (Inputs)</b>	Digital Inputs
<b>Number of channels (Inputs)</b>	16
<b>Channel type (Inputs)</b>	N.O., p-switching
<b>Nominal input voltage</b>	24 V DC
<b>Voltage (Signal status "1") - Explanation</b>	11 - 30 V
<b>Voltage (Signal status "0") - Explanation</b>	-3 - 5 V
<b>Channel status indicator (Inputs)</b>	LED yellow per channel
<b>Input current at 24 V DC (typ.)</b>	6 mA

**Scope of delivery and accessories**

<b>Scope of delivery</b>	Dust covers M12 - 2 pieces, Attachable labels - 10 pieces
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**Picture**
**Drawing**

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