


## Product information

### 0970 PSL 701

Industrial Connecting Solutions:I/O Modules:I/O Modules Activ - Stand Alone:Profibus:I/O Modules with Digital Inputs (DI):0970 PSL 701

<https://www.e-catalog.beldensolutions.com:443/link/57078-24228-255441-219791-219793-220043-220193/en/conf/uistate>

Name	0970 PSL 701
	
	Profibus-DP device with 16 digital inputs to connect standard sensors, combined FIXCON/ M12 socket, rotary switches for addressing, M12 bus connection, 7/8" power supply.
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Type	0970 PSL 701
Order No.	75848
Description	Profibus-DP device with 16 digital inputs to connect standard sensors, combined FIXCON/ M12 socket, rotary switches for addressing, M12 bus connection, 7/8" power supply.
Diagnostics	Module diagnostic and single channel diagnostic according to Profibus specification (please see operating instructions under <a href="http://www.umberg-automation.com/downloads">www.umberg-automation.com/downloads</a> ).
Note	The application of these products in harsh environments should always be checked before use.
Color of housing	black
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	380 g
Dimensions (W x H x D)	60 mm x 243 mm x 39.5 mm
<b>Environmental conditions</b>	
Environmental temperature	-10 °C ... 60 °C
Degree of protection (IP), mounted	IP67
<b>Materials</b>	
Housing material / Molded body	PBT
<b>Approvals</b>	
Approvals	UL
<b>Bus system</b>	
Fieldbus system	Profibus DP
Bus Connection	M12
Device Identification	09CA hex
Transmission rate	12 MBd
Address range	1 dec. ... 125 dec.
Rotary address switches	1 dec. ... 99 dec.
Default address	99 dec.
<b>System power supply</b>	
Nominal voltage (System power supply)	24 V DC
Voltage range DC (System power supply)	19 V ... 30 V
Power consumption (System power supply)	120 mA
Reverse polarity protection (System power supply)	Yes
<b>Sensors power supply</b>	
Sensors power supply	U <sub>S</sub>
Voltage range (Sensor power supply)	min. (U <sub>System</sub> -1.5V)
Sensor current (at TU30°C) (Sensor power supply)	200 per socket mA
Short-circuit proof (Sensor power supply)	Yes

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## Drawing



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