


## Product information

### 0970 PSL 700

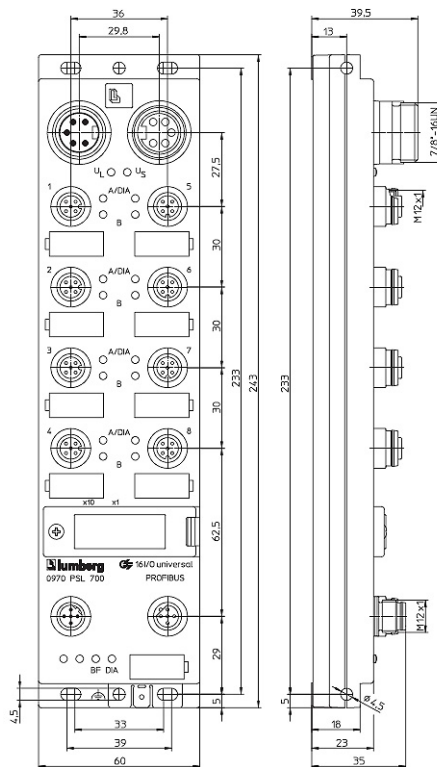
Industrial Connecting Solutions:I/O Modules:I/O Modules Activ - Stand Alone:Profibus:I/O Modules with Digital Inputs and Outputs (DIO) universal:0970 PSL 700

<https://www.e-catalog.beldensolutions.com:443/link/57078-24228-255441-219791-219793-220048-220541/en/conf/uistate>

Name	0970 PSL 700
	
	Profibus-DP device with 16 digital I/O channels, channels can be used universally as inputs or outputs, 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 700
Order No.	75514
Description	Profibus-DP device with 16 digital I/O channels, channels can be used universally as inputs or outputs, 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.lumberg-automation.com/downloads">www.lumberg-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 and Outputs (DIO) universal
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> - 1.5 V)
Sensor current (at TU30°C) (Sensor power supply)	200 per socket mA
Short-circuit proof (Sensor power supply)	Yes

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<b>Indication (Sensor power supply)</b>	LED green
<b>Actuator power supply</b>	
<b>Actuator power supply</b>	U <sub>L</sub> Optional disengageable actuator low-voltage detection over integrated DIP-switch.
<b>Nominal voltage (Actuator power supply)</b>	24 V DC
<b>Voltage range (Output power supply)</b>	19 V ... 30 V
<b>Reverse polarity protection (Output power supply)</b>	Yes
<b>Indication (Output 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 and Outputs
<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>Channel status indicator (Inputs)</b>	LED yellow per channel
<b>Diagnostic indication (inputs)</b>	LED red per socket
<b>Outputs</b>	
<b>Signal type (Outputs)</b>	Digital Outputs
<b>Number of channels (Outputs)</b>	16
<b>Channel type (Outputs)</b>	N.O., p-switching
<b>Nominal output current per channel</b>	1.6 A
<b>Short-circuit proof (Outputs)</b>	Yes
<b>Max. output current per module (Outputs)</b>	9 A (12 A Test proven and approved under the following conditions: looped through System/Sensorpower supply max. 2,5 A, Power supply cable STL 204 (5 x 1.00 mm <sup>2</sup> ), Operating temperature range max. 40°C)
<b>Overload-proof (Outputs)</b>	Yes
<b>Channel status indicator (Outputs)</b>	LED yellow per channel
<b>Diagnostic indication (outputs)</b>	LED red per channel/socket
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Dust covers M12 - 4 pieces, Attachable labels - 10 pieces

**Picture**
**Drawing**


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