




**Product information**  
**0970 PSL 651**  
**75852**

<b>Name</b>	
0970 PSL 651	
	
Profibus-DP device with 8 digital inputs to connect standard sensors, M8 socket, 3 poles, rotary switches for addressing, M12 bus connection, M12 power supply	
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Type</b>	0970 PSL 651
<b>Order No.</b>	75852
<b>Description</b>	Profibus-DP device with 8 digital inputs to connect standard sensors, M8 socket, 3 poles, rotary switches for addressing, M12 bus connection, M12 power supply
<b>Diagnostics</b>	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> )
<b>Note</b>	The application of these products in harsh environments should always be checked before use.
<b>Color of housing</b>	black
<b>Product characteristics</b>	Oil resistance, Vibration resistance
<b>Classification</b>	
<b>Belden class</b>	I/O Modules with Digital Inputs (DI)
<b>Belden brand</b>	Lumberg-Automation
<b>Mechanical data</b>	
<b>Weight</b>	200 g
<b>Dimensions (W x H x D)</b>	40.4 mm x 205.4 mm x 30 mm
<b>Environmental conditions</b>	
<b>Environmental temperature</b>	-10 °C ... 60 °C
<b>Degree of protection (IP), mounted</b>	IP67
<b>Materials</b>	
<b>Housing material / Molded body</b>	PBT
<b>Approvals</b>	
<b>Approvals</b>	UL
<b>Bus system</b>	
<b>Fieldbus system</b>	Profibus DP
<b>Bus Connection</b>	M12
<b>Device Identification</b>	09C9 hex
<b>Transmission rate</b>	12 MBd
<b>Address range</b>	1 dec. ... 125 dec.
<b>Rotary address switches</b>	1 dec. ... 99 dec.
<b>Default address</b>	99 dec.
<b>System power supply</b>	
<b>Nominal voltage (System power supply)</b>	24 V DC
<b>Voltage range DC (System power supply)</b>	19 V ... 30 V
<b>Power consumption (System power supply)</b>	90 mA
<b>Reverse polarity protection (System power supply)</b>	Yes
<b>Sensors power supply</b>	
<b>Sensors power supply</b>	U <sub>S</sub>
<b>Voltage range (Sensor power supply)</b>	min. (U <sub>System</sub> -1.5V)
<b>Sensor current (at TU30°C) (Sensor power supply)</b>	100 per socket mA
<b>Short-circuit proof (Sensor power supply)</b>	Yes

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



<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>	8
<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 channel
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Dust covers M8 - 2 pieces, Attachable labels - 10 pieces
<b>Picture</b>	

**Drawing**

