



**Product information**  
**0970 PSL 650**  
**75851**

<b>Name</b>	
0970 PSL 650	
	
Profibus-DP device with 8 digital I/O channels, channels can be used universally as inputs or outputs, 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 650
<b>Order No.</b>	75851
<b>Description</b>	Profibus-DP device with 8 digital I/O channels, channels can be used universally as inputs or outputs, 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 and Outputs (DIO) universal
<b>Belden brand</b>	Lumberg-Automation
<b>Mechanical data</b>	
<b>Weight</b>	200 g
<b>Dimensions (W x H x D)</b>	30 mm x 205.4 mm x 40.4 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> - 1.5 V)
<b>Sensor current (at TU30°C) (Sensor power supply)</b>	100 per socket mA
<b>Short-circuit proof (Sensor power supply)</b>	Yes

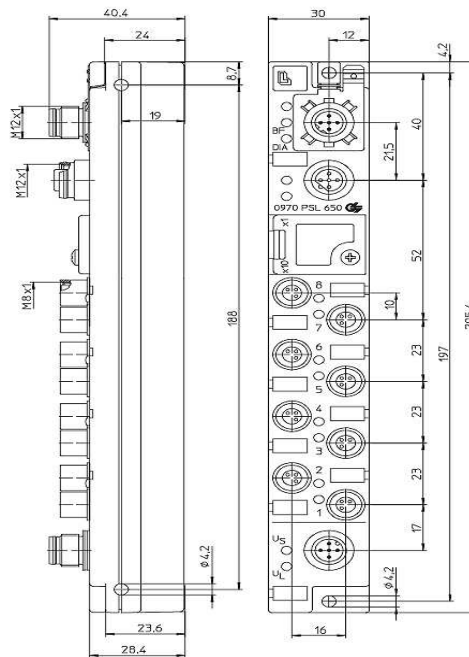
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Indication (Sensor power supply)	LED green
<b>Actuator power supply</b>	
Actuator power supply	$U_L$
Nominal voltage (Actuator power supply)	24 V DC
Voltage range (Output power supply)	19 V ... 30 V
Reverse polarity protection (Output power supply)	Yes
Indication (Output power supply)	LED green
<b>Inputs</b>	
Input wiring	Type 3 acc. to IEC 61131-2
Signal type (Inputs)	Digital Inputs and Outputs
Number of channels (Inputs)	8
Channel type (Inputs)	N.O., p-switching
Nominal input voltage	24 V DC
Channel status indicator (Inputs)	LED yellow per channel
Diagnostic indication (inputs)	LED red per channel
<b>Outputs</b>	
Signal type (Outputs)	Digital Outputs
Number of channels (Outputs)	8
Channel type (Outputs)	N.O., p-switching
Nominal output current per channel	0.5 A
Short-circuit proof (Outputs)	Yes
Max. output current per module (Outputs)	4 A
Overload-proof (Outputs)	Yes
Channel status indicator (Outputs)	LED yellow per channel
Diagnostic indication (outputs)	LED red per channel
<b>Scope of delivery and accessories</b>	
Scope of delivery	Dust covers M8 - 2 pieces, Attachable labels - 10 pieces

**Picture**

**Drawing**



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