lumbergautomation
A **BELDEN** BRAND

Product information
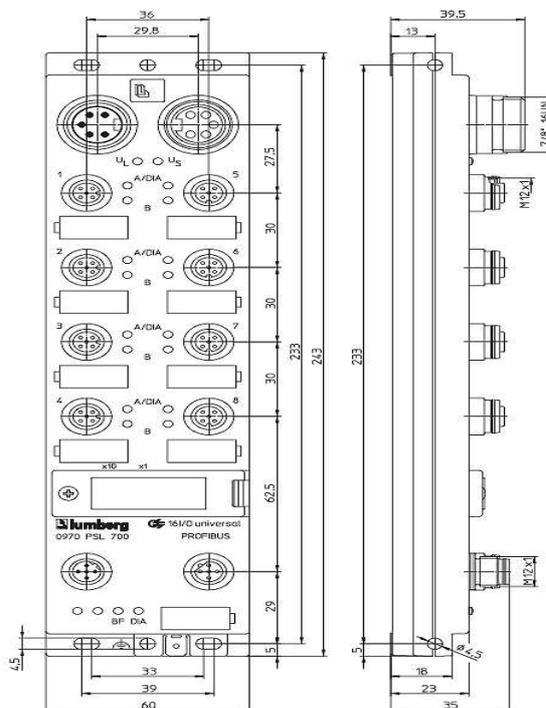**0970 PSL 700**
75514

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.
Delivery informations	
Availability	available
Product description	
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 www.lumberg-automation.com/downloads)
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
Classification	
Belden class	I/O Modules with Digital Inputs and Outputs (DIO) universal
Belden brand	Lumberg-Automation
Mechanical data	
Weight	380 g
Dimensions (W x H x D)	60 mm x 243 mm x 39.5 mm
Environmental conditions	
Environmental temperature	-10 ℃ ... 60 ℃
Degree of protection (IP), mounted	IP67
Materials	
Housing material / Molded body	PBT
Approvals	
Approvals	UL
Bus system	
Fieldbus system	Profibus DP
Bus Connection	M12
Device Indentification	09CA hex
Transmission rate	12 MBd
Address range	1 dec. ... 125 dec.
Rotary address switches	1 dec. ... 99 dec.
Default address	99 dec.
System power supply	
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
Sensors power supply	
Sensors power supply	U_S
Voltage range (Sensor power supply)	min.(U_{System} - 1.5 V)
Sensor current (at TU30°C) (Sensor power supply)	200 per socket mA
Short-circuit proof (Sensor power supply)	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.

Indication (Sensor power supply)	LED green
Actuator power supply	
Actuator power supply	U_L Optional disengageable actuator low-voltage detection over integrated DIP-switch.
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
Inputs	
Input wiring	Type 3 acc. to IEC 61131-2
Signal type (Inputs)	Digital Inputs and Outputs
Number of channels (Inputs)	16
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 socket
Outputs	
Signal type (Outputs)	Digital Outputs
Number of channels (Outputs)	16
Channel type (Outputs)	N.O., p-switching
Nominal output current per channel	1.6 A
Short-circuit proof (Outputs)	Yes
Max. output current per module (Outputs)	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 mm2), Operating temperature range max. 40°C)
Overload-proof (Outputs)	Yes
Channel status indicator (Outputs)	LED yellow per channel
Diagnostic indication (outputs)	LED red per channel/socket
Scope of delivery and accessories	
Scope of delivery	Dust covers M12 - 4 pieces, Attachable labels - 10 pieces
Picture	
Drawing	