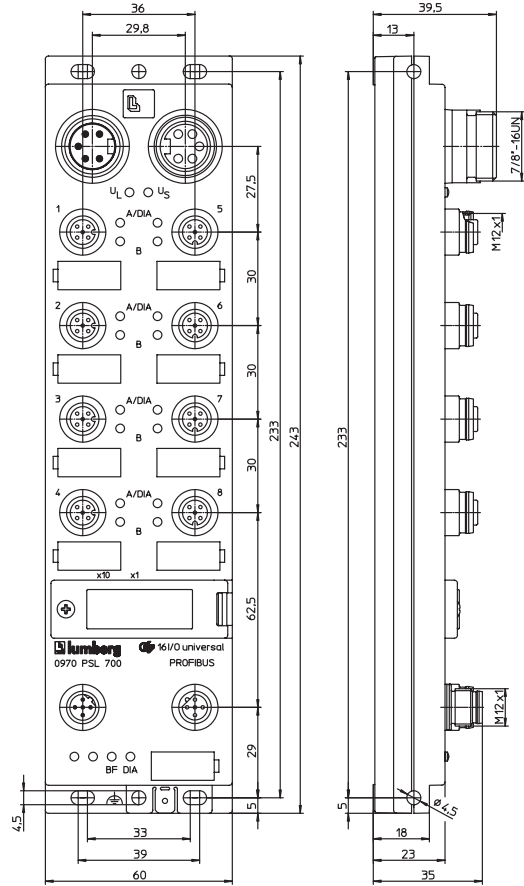


0970 PSL 700 16 In / 16 Out - Universal

LioN-M Profibus-DP module with 16 digital I/O channels. Channels can be used universally as inputs or outputs, Micro (M12) I/O and bus as well as Mini (7/8") power connectors, rotary address switches for addressing.

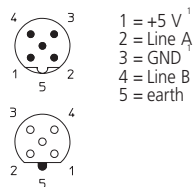


Bit Assignment								
Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A
M12 Output								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

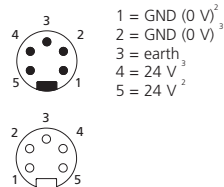
Diagnostic Indication		
LED	Indication	Condition
1...8 A/B	yellow	channel status
1...8 A/DIA	red	periphery fault
U _s	green	sensor/system power supply
U _i	green	actuator power supply
BF	red	bus error
DIA	red	common indication for periphery faults

Pin Assignment

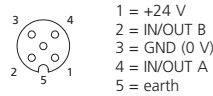
Bus Connection Micro (M12)



Power Supply Mini 7/8"



Input/Output Micro (M12)



- ¹ = internal signals: galvanically separated to sensors/actuators
- ² = actuators
- ³ = system/sensors

Technical data

Degree of protection	IP 67
Operating temperature range	0°C(+32°F) /+60°C(+140°F)
Weight	380 g
Housing	PBT

Bus system

ID number	09CA hex
GSD file	Lum_09CA.gsd
Transmission rate	max. 12 MBaud
Address range	1-126 dec
Rotary address switches	1-99 dec
Default address	99 dec

System power supply

Rated voltage	24 V DC
Voltage range	19-30 V DC
Power consumption	70 mA
Reverse polarity protection	yes

Input power supply

Voltage range	min. (U _{system} - 1.5 V)
Sensor current	200 mA (at T _{amb} 30°C)
Short circuit-proof	yes
Indication	LED, Green

Inputs

Rated input voltage	24 V DC
Channel type N.O.	PNP
Number of digital channels	Max. 16
Channel status indicator	LED, Yellow per channel
Diagnosis indicator	LED, Red per socket

Profibus

Output power supply

Rated voltage	24 V DC
Voltage range	19-30 V DC
Reverse polarity protection	yes/antiparallel diode
Indication	LED, green

U.

Optional actuator low-voltage detection can be disabled via integrated DIP-switch.

Outputs

Rated output current	1.6 A per channel
Short circuit-proof	yes
Max. output current	9 A per module
Overload-proof	yes
Number of digital channels	max. 16
Channel type N.O.	PNP
Channel status indicator	LED, yellow per channel
Diagnostic indication	LED, red per socket

Part Number

I/O

0970 PSL 700

16 Inputs / 16 Outputs - Universal

