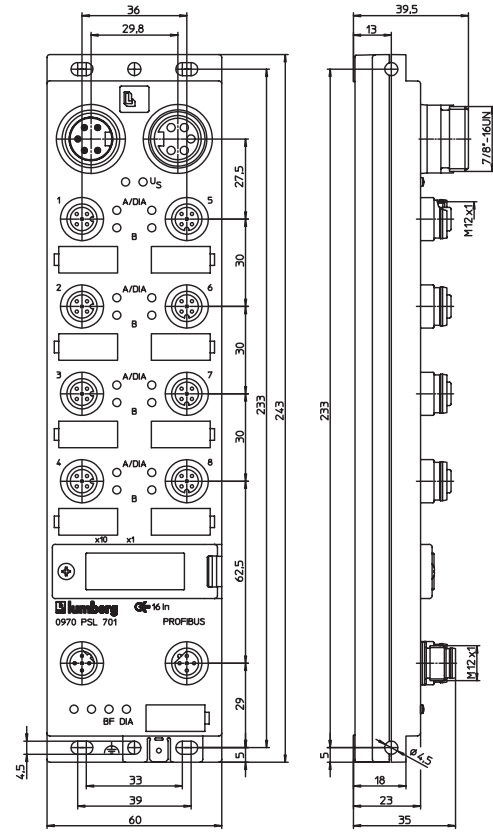


0970 PSL 701 16 In

LioN-M Profibus_DP module with 16 digital inputs (PNP), Micro (M12) I/O and bus as well as Mini (7/8") power connectors, rotary address switches for addressing.

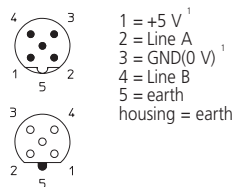


Bit Assignment								
Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

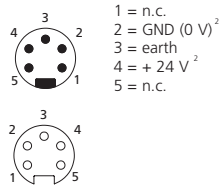
Diagnostic Indication		
LED	Indication	Condition
1...8 A/B	yellow	channel status
1...8 A/DIA	red	periphery fault
U _s	green	sensor/system power supply
BF	red	bus error
DIA	red	common indication for periphery faults

Pin Assignment

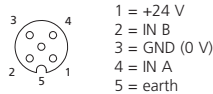
Bus Connection Micro (M12)



Power Supply Mini 7/8"



Input Micro (M12)



¹ = internal signals: galvanically separated to sensors
² = 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. ($U_{\text{system}} - 1.5 \text{ V}$)
Sensor current	200 mA (at $T_{\text{amb}} 30^{\circ}\text{C}$)
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

Part Number

I/O

0970 PSL 701

16 Inputs

