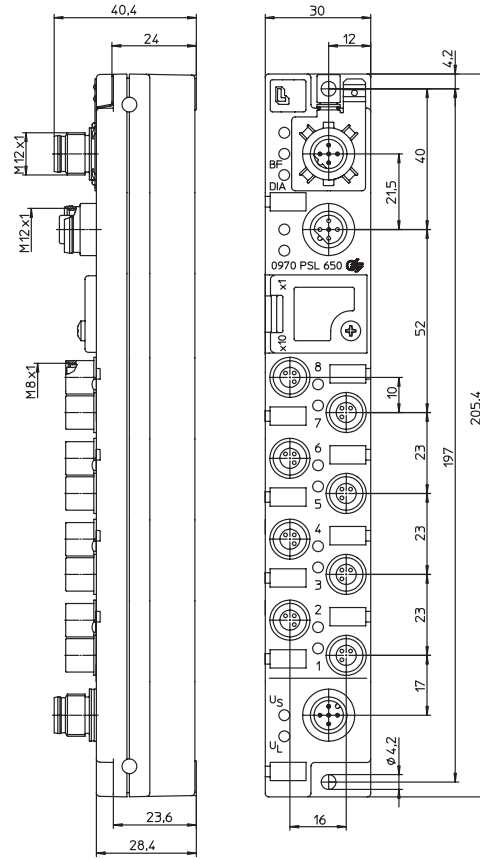


0970 PSL 650 8 In / 8 Out - Universal

LioN-S Profibus-DP module with 8 digital I/O channels. Channels can be used universally as inputs or outputs, Pico (M8) I/O and Micro (M12) bus and power connectors, rotary switches for addressing.

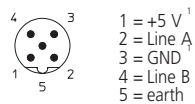


Bit Assignment								
Bit	7	6	5	4	3	2	1	0
M8 Input								
Byte 0	8	7	6	5	4	3	2	1
M8 Output								
Byte 0	8	7	6	5	4	3	2	1

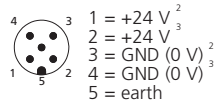
Diagnostic Indication		
LED	Indication	Condition
1...8	yellow	channel status
1...8	red	periphery fault
U _s	green	sensor/system power supply
U _i	green	actuator power supply
BF	red	bus error
DIA	red	common indication for periphery faults

Pin Assignment

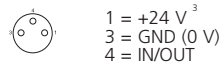
Bus Connection Micro (M12)



Power Supply Micro (M12)



Input/Output Pico (M8)



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

Technical data		Output power supply		U:
Degree of protection	IP 67	Rated voltage	24 V DC	
Operating temperature range	0°C(+32°F) /+60°C(+140°F)	Voltage range	19-30 V DC	
Weight	200 g	Reverse polarity protection	yes/antiparallel diode	
Housing	PBT	Indication	LED, green	
Bus system		Outputs		
ID number	Profibus 09C9 hex	Rated output current	0.5 A per channel	
GSD file	Lum_09C9.zip	Short circuit-proof	yes	
Transmission rate	max. 12 MBaud	Max. output current	4 A per module	
Address range	1-126 dec	Overload-proof	yes	
Rotary address switches	1-99 dec	Number of digital channels	max. 8	
Default address	99 dec	Channel type N.O.	PNP	
System power supply		Channel status indicator	LED, yellow per channel	
Rated voltage	24 V DC	Diagnostic indication	LED, red per channel	
Voltage range	19-30 V DC			
Power consumption	65 mA			
Reverse polarity protection	yes			
Input power supply				
Voltage range	U: min. (U _{system} - 1.5 V)			
Sensor current	150 mA (at T _{amb} 30°C)			
Short circuit-proof	yes			
Indication	LED, Green			
Inputs				
Rated input voltage	Type 3 Acc. to IEC 61131-2 24 V DC			
Channel type N.O.	PNP			
Number of digital channels	Max. 8			
Channel status indicator	LED, Yellow per Channel			
Diagnosis indicator	LED, Red per Channel			

Part Number	I/O
0970 PSL 650	8 Inputs / 8 Outputs - Universal

