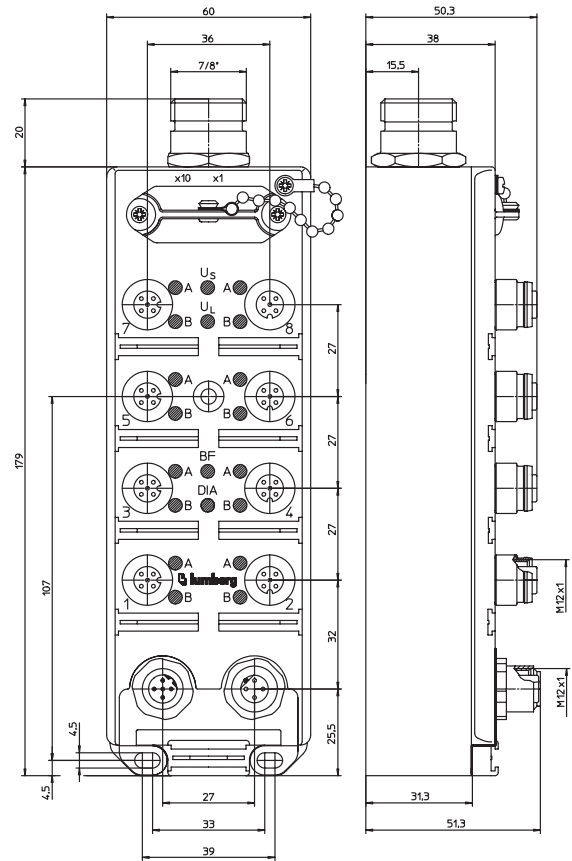


0970 PSL 115 16 In

Profibus-DP module with 16 digital inputs (PNP) and Micro (M12) bus connectors. Features: Automatic baud rate detection, Hardware (rotary switches) and Software addressing, short circuit detection, protection degree IP67 / NEMA 6P.



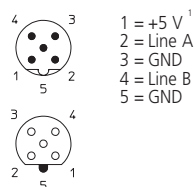
Bit Assignment								
Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	8A	7A	6A	5A	4A	3A	2A	1A
Byte 1	8B	7B	6B	5B	4B	3B	2B	1B
Diagnostic								
DIA-Byte	-	-	-	OVL	-	-	-	-

OVL: Overload status

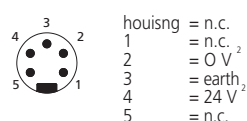
Diagnostic indication		
LED	Indication	Condition
1...8 A/B	yellow	channel active
U _s	green	sensor supply active
U _l	green	module electronic supply active
BF	red	bus error
DIA	red	module diagnostics (e.g. sensor short circuit).

Pin Assignment

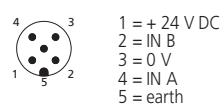
Bus Connection Micro (M12)



Power Supply Mini 7/8"



Input Micro (M12)



¹ = internal signals
² = System/Sensors

Technical data	
Degree of protection	IP 67
Operating temperature	0°C(+32°F) /+60°C(+140°F)
Weight	535 g
Bus system	
Transmission rate	Group 2 only server max. 12 MBaud
Default address	1 - 126 dec; via rotary address switches 1 - 99 dec; via address- ing unit 1 - 126 dec, default 99
System power supply (U₁)	
Nominal voltage	24 V DC
Voltage range	19 V - 28.8 V DC
Current consumption	max. 60 mA
Reverse polarity protection	yes
Operating indicator (UL)	LED green
Sensor power supply	
Nominal voltage (U _s)	24 V DC
Voltage range	19 V - 28.8 V DC
Total current of all sensors	max. 800 mA
Short circuit protection	yes
Sensor power supply indicator (U ₂)	LED, green
Input levels	
Nominal input voltage	24 V DC
Input circuit	PNP
Number of digital channels	16
Channel status indicator	LED, yellow

Part Number

I/O

0970 PSL 115

16 Inputs

