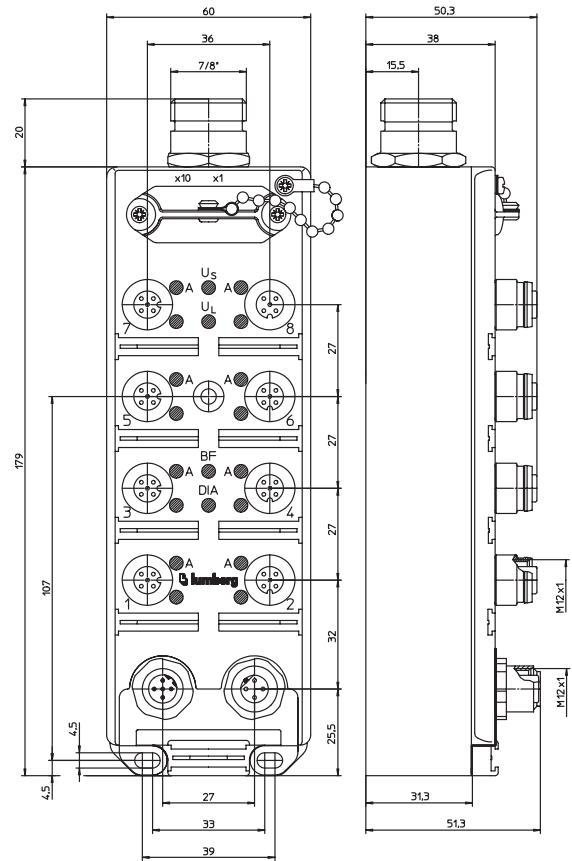


0970 PSL 116 **8 Out**

Profibus-DP module with 8 digital outputs (2A) and Micro (M12) bus connectors. Features: Automatic baud rate detection, Hardware (rotary switches) and Software addressing, short circuit detection, protection degree IP67 / NEMA 6P.



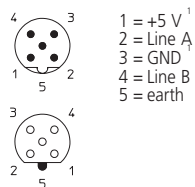
Bit Assignment								
Bit	7	6	5	4	3	2	1	0
M12 Output								
Byte 0	8	7	6	5	4	3	2	1
Diagnostic								
DIA-Byte	-	UVA	ASC	-	-	-	-	-

UVA: Undervoltage actuator
ASC: Actuator short-circuit

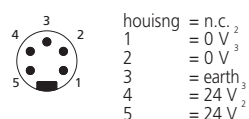
Diagnostic indication		
LED	Indication	Condition
1...8 A	yellow	channel active
1...8	red	actuator short circuit
U _s	green	sensor supply active
U _l	green	module electronic supply active
BF	red	bus error
DIA	red	module diagnostics (e.g. sensor short circuit).

Pin Assignment

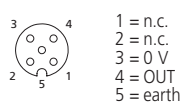
Bus Connection Micro (M12)



Power Supply Mini 7/8"



Output Micro (M12)



1 = internal signals
2 = Actuators
3 = System

Technical data

Degree of protection	IP 67
Operating temperature	0°C(+32°F) /+60°C(+140°F)
Weight	535 g

Bus system

Transmission rate	max. 12 MBaud
Default address	1 - 126 dec; via rotary address switches 1 - 99 dec; via addressing unit 1 - 126 dec, default 99
ID	044D hex
GSD data file	Lum_044D.gsd

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

Output power supply

Nominal voltage (U _s)	24 V DC
Voltage range	15 V - 30 V DC
Total current of all sensors	max. 800 mA
Galvanic isolation	yes
Short circuit protection	yes
Sensor power supply indicator (U ₂)	LED, green

Output levels

Nominal output voltage	max. 2 A/channel max. 15 A/module
Output current	max. 2.4 A/channel
Number of digital channels	8
Channel type	PNP, N.O. short circuit proof
Channel status indicator	LED, yellow

Part Number

I/O

0970 PSL 116

8 Outputs

