



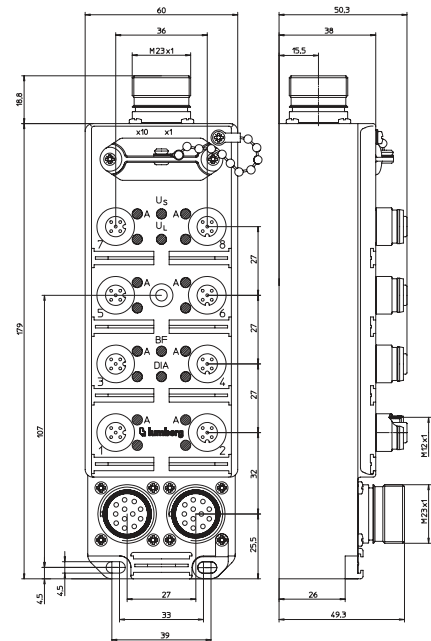
0970 PSL 210



Profibus I/O Modules with 8-Digital Outputs

8 OUT

Profibus-DP device with 8 digital outputs to connect standard actuators, combined M12 socket, rotary switches for addressing, M23 bus connection, M23 actuator supply.



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 status
1...8	red	actuator short-circuit
Us	green	actuator supply active
UL	green	module electronic supply active
BF	red	bus error
DIA	red	module diagnostics (sensor short-circuit / sensor overload)

Pin Assignment

Bus connection M23	Actuator supply M23	Output M12
1 = GNDI¹ 2 = Line A 3 = n.c. 4 = Line B 5 = n.c. 6 = VCCI¹ 7 = +24 V 8 = GND (0 V) 9 = Erde / earth 10 = n.c. 11 = n.c. 12 = RTS¹ housing = earth	1 = Earth 2 = +24 V 3 = GND (0 V) 4 = n.c. 5 = n.c. 6 = n.c.	1 = n.c. 2 = n.c. 3 = GND (0 V) 4 = OUT 5 = Earth 1 = internal signals



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Technical Data

Environmental

Degree of protection	IP 67
Operating temperature range	-0°C (+32°F) to +60°C (+140°F)

Mechanical

Weight	545 g
Housing material	PUR

Bus system

ID number	044D hex
GSD file	Lum_044D.gsd
Transmission rate	max. 12 MBaud
Address range	1–126 dec
Rotary address switches	1–99 dec
Default address	99 dec

Electronics power supply

Rated voltage	24 V DC
Voltage range	19–30 V DC
Power consumption	typ. 60 mA
Reverse polarity protection	yes
Indication	LED green

Output power supply

Rated voltage	24 V DC
Voltage range	19–30 V DC
Potential separation	present
Reverse polarity protection	yes/antiparallel diode
Indication	LED green

Outputs

Rated output current	2 A per channel
Short circuit-proof	yes
Max. output current	15 A per module
Overload-proof	yes
Number of digital channels	8
Channel type N.O.	p-switching
Channel status indicator	LED yellow per channel
Diagnostic indication	LED red per channel

Included in delivery/accessories

Dust covers M12	2 pieces
Attachable labels	10 pieces

Part Number

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The application of these products in harsh environments should always be checked before use.
Specifications subject to alteration.

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