



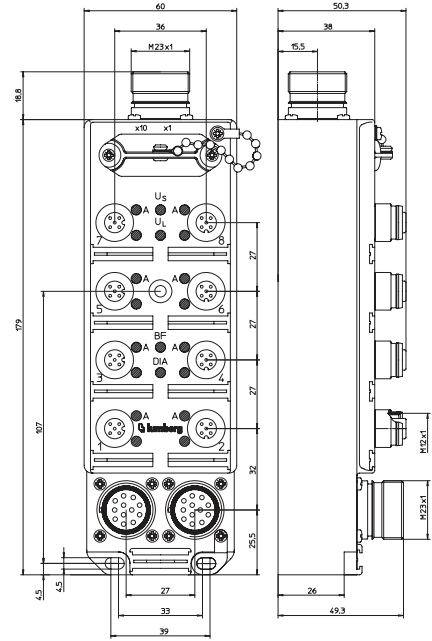
Profibus I/O Modules with 8-Digital Outputs

0970 PSL 210



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	-	-	-	-	-
Diagnostic								

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	
<ul style="list-style-type: none"> 1 = GND1¹ 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 	<ul style="list-style-type: none"> 1 = Earth 2 = +24 V 3 = GND (0 V) 4 = n.c. 5 = n.c. 6 = n.c. 	<ul style="list-style-type: none"> 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

Profibus
 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

UL
 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

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

Outputs

Type 2 A acc. to IEC 61131-2
 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.