



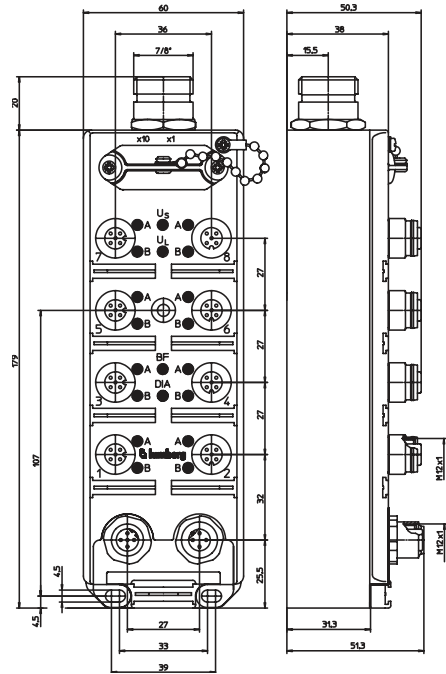
Profibus I/O Modules with 16-Digital Outputs

0970 PSL 127



16 OUT

Profibus-DP device with 16 digital outputs to connect standard actuators, combined M12 socket, rotary switches for addressing, M12 bus connection, 7/8" power supply.



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	-	UVA	ASC	-	-	-	-	-

UVA: Undervoltage actuator
ASC: Actuator short-circuit

Diagnostic Indication

LED	Indication	Condition
1..8 A/B	yellow	channel status
1..8 A/B	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 M12	Power supply 7/8"	Output M12
<ul style="list-style-type: none"> 1 = +5 V¹ 2 = Line A 3 = GND¹ 4 = Line B 5 = earth 	<ul style="list-style-type: none"> 1 = 0 V² 2 = 0 V³ 3 = earth 4 = +24 V³ 5 = +24 V² housing = n.c.	<ul style="list-style-type: none"> 1 = n.c 2 = OUT B 3 = GND (0 V) 4 = OUT A 5 = earth
1 = internal signals 2 = actuators 3 = system		



Be Certain with Belden

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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 535 g
 Housing material PUR

Bus system

Profibus
 ID number 06EA hex
 GSD file Lum_06EA.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
 Galvanic isolation yes
 Short circuit protection yes
 Indication LED green

Outputs

Type 0.5 A acc. to IEC 61131-2
 Rated output current 0.7 A per channel
 Short circuit-proof yes
 Max. output current 11.2 A per module
 Overload-proof yes
 Number of digital channels 16
 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.