



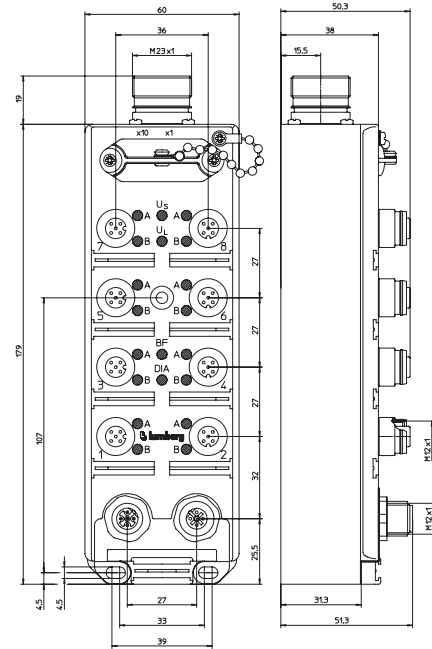
0970 PSL 124



Profibus I/O Modules with 16-Digital Outputs

16 OUT

Profibus-DP device with 16 digital outputs (0.5 A) to connect standard actuators, combined M12 socket, rotary switches for addressing, M12 bus connection, M23 systems/actuator supply.



Bit Assignment

| Bit | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|-------------------|----|-----|-----|----|----|----|----|----|
| M12 Output | | | | | | | | |
| 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 | Actuator supply M23 | Output M12 | |
|---|---|---|--|
| <p>1 = +5 V¹ 2 = Line A 3 = GND (0 V)¹ 4 = Line B 5 = earth</p> | <p>1 = Earth 2 = +24 V² 3 = GND (0 V)² 4 = +24 V³ 5 = GND (0 V)³ 6 = n.c.</p> | <p>1 = n.c. 2 = OUT B 3 = GND (0 V) 4 = OUT A 5 = Earth</p> | <p>1 = internal signals 2 = actuators 3 = system</p> |



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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
 Potential separation present
 Reverse polarity protection yes/antiparallel diode
 Indication LED green

Outputs

Type 2 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.