



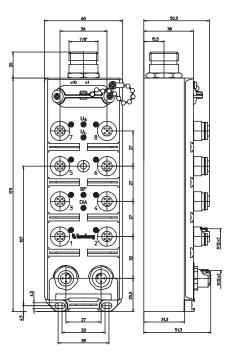
Profibus I/O Modules with 8-Digital Inputs

0970 PSL 118



8 IN

Profibus-DP device with 8 digital inputs to connect standard sensors, 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	8	7	6	5	4	3	2	1	
Diagnostic									
DIA-Byte	-	-	-	OVL	-	-	-	-	
OVL: Overload status									

Diagnostic Indication

LED	Indication	Condition
18	yellow	channel status
Us	green	sensor/system power supply
UL	green	module electronic supply active
BF	red	bus error
DIA	red	module diagnostics (sensor short-circuit / sensor overload

Pin Assignment

Bus conne	ction M12	Power supply 7/8"	Input M12	
4	1 = +5 V ¹ 2 = Line A 3 = GND (0 V) ¹ 4 = Line B 5 = earth	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3	1 = internal signals 2 = system sensors

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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 044F hex
GSD file Lum_044F.gsd
Transmission rate max. 12 MBaud

Transmission rate max. 12 MBa
Address range 1–126 dec
Rotary address switches 1–99 dec
Default address 99 dec

Electronics power supplyULRated voltage24 V DCVoltage range19 - 28.8 V DCPower consumptiontyp. 60 mAReverse polarity protectionyesIndicationLED green

Input power supplyUsNominal voltage24 V DCVoltage range19 - 28.8 V DC

Total current of all sensors max. 800 mA Short circuit-proof yes

Short circuit-proof yes Indication LED green

Inputs Type 3 acc. to IEC 61131-2

Rated input voltage 24 V DC
Signal state "1" 11–30 V
Signal state "0" -3–5 V
Input current at 24 V typ. 6 mA
Channel type N.O. p-switching

Number of digital channels 8

Channel status indicator LED yellow 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.