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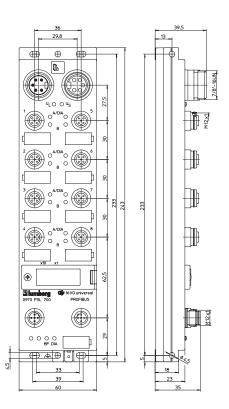


0970 PSL 700

Profibus I/O Modules with 16-Digital Inputs and 16-Digital Outputs

16 IN / 16 OUT (universal)

Profibus-DP device with 16 digital I/O channels, channels can be used universally as inputs or outputs, combined 12 socket, rotary switches for addressing, M12 bus connection, 7/8" power supply.



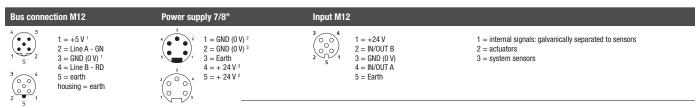
Bit Assignment

Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	4B	4A	3B	ЗA	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A
M12 Output								
Byte 0	4B	4A	3B	ЗA	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

Diagnostic Indication

LED	Indication	Condition
18 A/B	yellow	channel status
18 A/DIA	red	periphery fault
Us	green	sensor/system power supply
BF	red	bus error
DIA	red	common indication for periphery faults

Pin Assignment





Profibus I/O Modules with 16-Digital Inputs and 16-Digital Outputs 0970 PSL 700

-10°C (+14°F) to +60°C (+140°F)

IP 67

380 g

Profibus

09CA hex

1-125 dec

1-99 dec

99 dec

24 V DC

120 mA

yes

Us

ves

LED green

24 V DC

max. 16

Ul

p-switching

19-30 V DC

min. (USystem - 1.5 V)

100 mA (at Tamb 30°C) per socket

Type 3 acc. to IEC 61131-2

LED yellow per channel

LED red per channel

Lum_09CA.GSD

max. 12 MBaud

PBT

Technical Data

Environmental

Degree of protection Operating temperature range

Mechanical Weight

Housing material

Bus system

ID number GSD file Transmission rate Address range Rotary address switches Default address

System/Sensors power supply

Rated voltage Voltage range Power consumption Reverse polarity protection

Input power supply Voltage range

Sensor current Short circuit-proof Indication

Inputs

Rated input voltage Channel type N.O. Number of digital channels Channel status indicator Diagnostic indication

Output power supply

Rated voltage24 V DCVoltage range19–30 V DCReverse polarity protectionyes/antiparallel diodeIndicationLED greenOptional disengageable actuator low-voltage detection over integratedDIP-switch.

Outputs

Rated output current 1.6 A per channel Short circuit-proof ves Max. output current 9 A (12 A*) per module *Test proven and approved under the following conditions: · looped through System/Sensorpower supply max. 2,5 A Power supply cable STL 204 (5 x 1.00 mm2) · Operating temperature range max. 40°C Overload-proof yes Number of digital channels max. 16 Channel type N.O. p-switching Channel status indicator LED yellow per channel **Diagnostic indication** LED red per channel/socket

Diagnostic

Module diagnostic and single channel diagnostic according to Profibus specification (please see operating instructions under www.beldensolutions.com/ downloads)

Included in delivery/accessories

Dust covers M12 Attachable labels 2 pieces 10 pieces

Part Number

0970 PSL 700

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



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