a lumbergautomation

A BELDEN BRAND

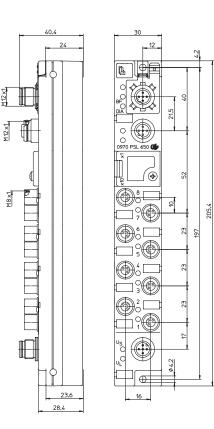


0970 PSL 650

Profibus I/O Modules with 8-Digital Inputs and 8-Digital Outputs

8 IN / 8 OUT (universal)

Profibus-DP device with 8 digital I/O channels, channels can be used universally as inputs or outputs, M8 socket, 3 poles, rotary switches for addressing, M12 bus connection, M12 power supply.



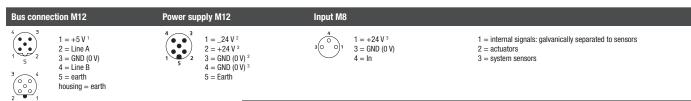
Bit Assignment

Bit	7	6	5	4	3	2	1	0
M8 Input								
Byte 0	8	7	6	5	4	3	2	1
M8 Output								
Byte 0	8	7	6	5	4	3	2	1

Diagnostic Indication

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

Pin Assignment





Profibus I/O Modules with 8-Digital Inputs and 8-Digital Outputs 0970 PSL 650

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 voltage Voltage range Reverse polarity protection Indication

IP 67 -10°C (+14°F) to +60°C (+140°F)

200 g PBT

Profibus 09C9 hex Lum_09C9.GSD max. 12 MBaud 1-125 dec 1-99 dec 99 dec

24 V DC 19-30 V DC 90 mA yes

Us

min. (USystem - 1.5 V) 100 mA (at Tamb 30°C) per socket yes LED green

Type 3 acc. to IEC 61131-2

24 V DC p-switching max. 8 LED yellow per channel LED red per channel

Ul

24 V DC 19-30 V DC yes/antiparallel diode LED green

Outputs

Rated output current Short circuit-proof Max. output current Overload-proof Number of digital channels Channel type N.O. Channel status indicator **Diagnostic indication**

Diagnostic

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

0.5 A per channel

4 A per module

yes

yes

max. 8

p-switching

LED yellow per channel

LED red per channel

Included in delivery/accessories

Dust covers M8	2 pieces
Attachable labels	10 pieces

0970 PSL 650

Part Number



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