

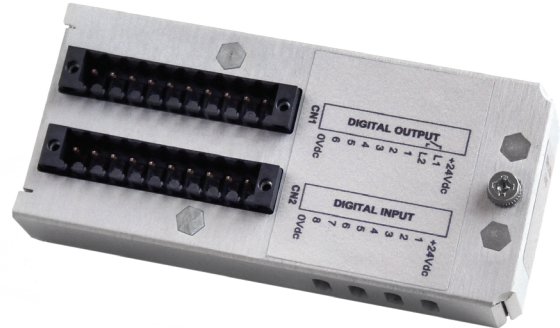


# PLI006 Tech-Note

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## Compact I/O Module

- 8 Digital Inputs
- 6 Digital Outputs
- 1 Relay Output



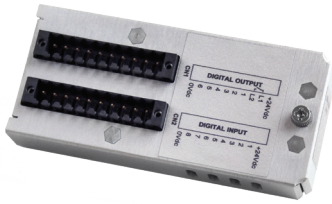
## Highlights

The PLI006 is a compact and low-cost I/O module. The plug-in is compatible with Series 500, 500G, 600, eX and eXware. The PLI006 digital inputs and outputs are optical isolated for typical industrial applications.

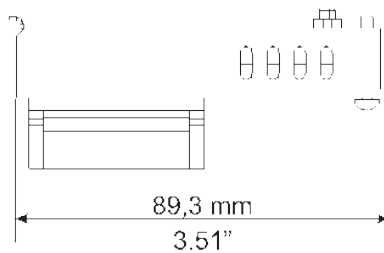
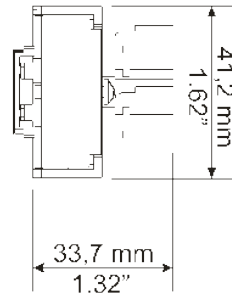
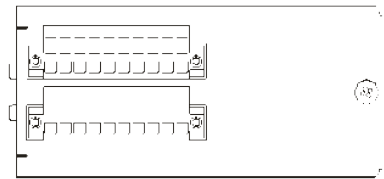
The plug-in is compatible with Series 500, 500G, 600, eX and eXware. The operation of PLI006 requires Codesys running in the HMI.

- Plug&Play operation. The I/O module is automatically detected when plugged-in.
- I/O configuration supported by Codesys I/O library. Compatible with Codesys V2.3 and Codesys V3.
- Compact and low-power consumption.
- No additional power supply required in addition to the 24 Vdc I/O power supply.
- Optical isolation.
- Overcurrent and Thermal shutdown for each digital output with integrated diagnostic functions.
- Easy wiring with removable 3.5mm spring connectors.
- Advanced board-level diagnostic

# PLI006 - Technical Data



Digital Inputs	
Number of channels	8
Type of channel	Source active high (+24Vdc) inputs.
Input voltage range	12 - 30 Vdc
Input impedance	3,3 KOhm
Optical isolation	Yes
Isolation	1500 Vdc
Input filter	Programmable 0.1ms to 20ms
Digital Outputs	
Number of channels	6
Type of channel	Source type with feedback of output driver fault status
Output voltage range	12 - 30Vdc
Nominal output current	0,5A
Optical isolation	Yes
Output protection	Overcurrent and overtemperature protected
Relay Outputs	
Number of channels	1
Type of channel	Two contacts (open/close)
Load	Resistive load
Rated load	1A at 30Vrms
Rated carry current	1A
Max switching voltage	42.4Vac (30Vrms); 60Vdc
Max switching current	1A
Connectors	
Connector Type	Omnimate Range header/plugs 3,5mm – 10 contacts (two pieces terminal blocks)
Removable Plug Connector	Spring type contact Part number: 1691190000 BLZF 3.50/10/180F SN BK BX"
Environmental Conditions	
Operating temperature	0 to 50 °C (vertical installation)
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % relative humidity, non-condensing
Protection class	IP20
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
DNV-GL	Yes
LR	Yes
EU RO MR	Yes
RCM	Yes



## Ordering Information

Model	Part Number	Description
PLI006	+PLI006U0P1	Compact I/O Module. 8 DI, 6 DO, 1 Relay Output



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