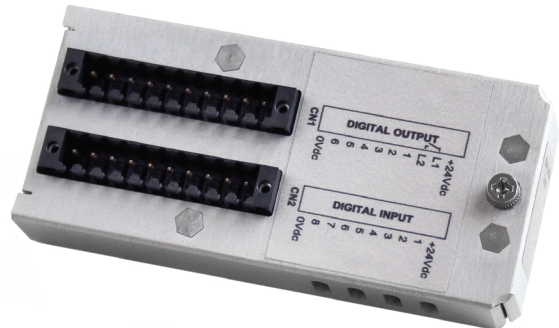


PLI006 Tech-Note

Compact I/O Module

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



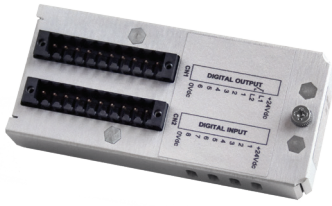
Highlights

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.

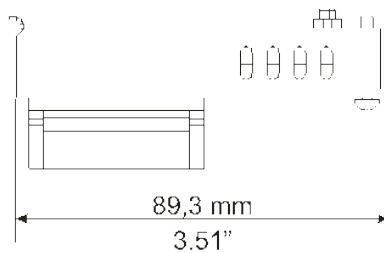
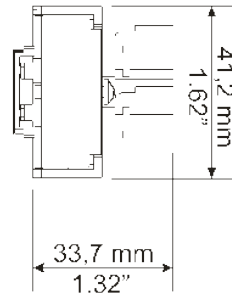
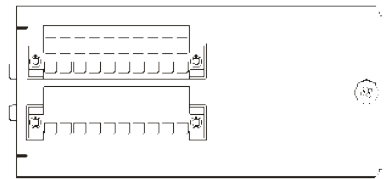
The plug-in is compatible with Series 500, 500G, 600, eX and eXware. The operation of PLI006 requires Codesys running in the HMI.

- 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 |