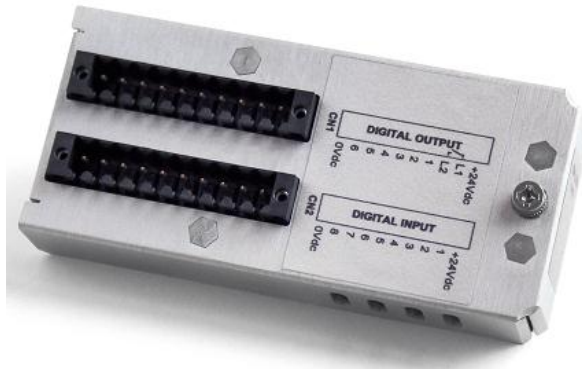**EXOR** INTERNATIONAL

Tech-note

PLIO06 Compact I/O Module

The PLIO06 is a compact and low-cost I/O module. It has been designed as an optional plug-in for the eTOP Series 500 HMI products. The PLIO06 digital inputs and outputs with optical isolation for typical industrial applications.

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

Highlights

The PLIO06 I/O module has been designed for the eTOP Series 500 HMI products. The operation of PLIO06 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.

EXOR INTERNATIONAL Tech-note

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

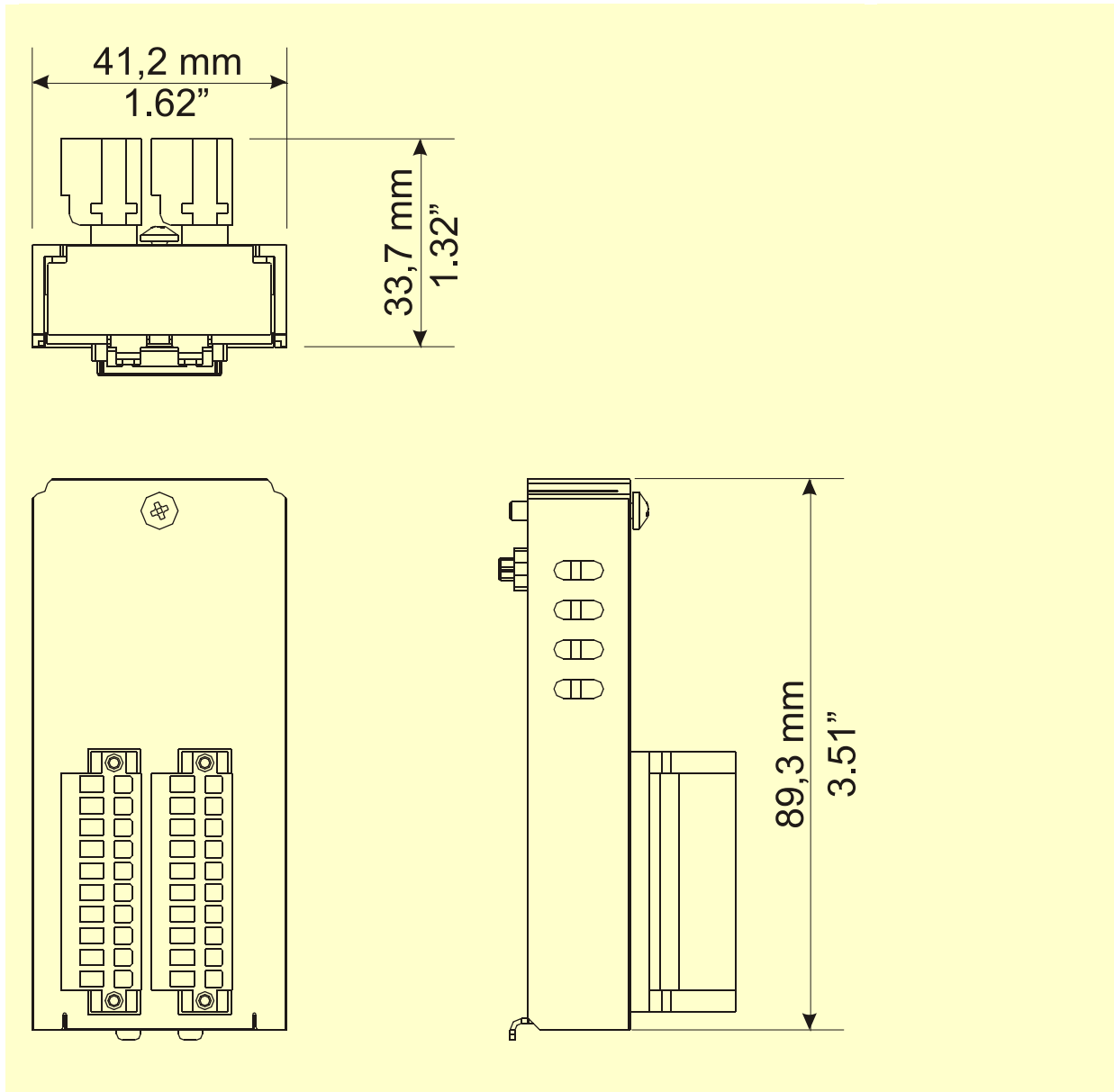|	
Connector Type	Omnimate Range header/plugs 3,5mm – 10 contacts (two pieces terminal blocks
Removable Plug Connector	Spring type contact Part number: 1691190000 BLZF 3.50/10/180F SN BK BX

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	DNV Type Approval Certificate

EXOR INTERNATIONAL   Tech-note

Dimensions

41,2 mm
1.62"

33,7 mm
1.32"

89,3 mm
3.51"

EXOR INTERNATIONAL   Tech-note

Ordering Information

Model	Part Number	Description
PLIO06	+PLIO06U0P1	Compact I/O Module. 8 DI, 6 DO, 1 Relay Output