PLIO06, PLIO06-CDS MULTIFUNCTION DIGITAL I/O MODULE

PLIO06: -8 digital inputs
-6 digital outputs
-1 relay output

The PLIO06 is a compact multifunction I/O module. It has been designed as an optional plug-in for the eTOP Series 500, eX700 Series and eXware Series HMI products. The PLIO06 provides typical industrial isolated digital inputs and outputs.

The PLIO06-CDS has installed CODESYS ™ softlogic system.

Specifications

DIGITAL INPUTS

Description	Specifications
Input channels	8 digital optoisolated (industrial standard) source active high (+24VDC) inputs. All inputs are internally connected to 0VDC of PLIO06 power supply.
Input voltage range	12,30VDC (min 3mA), 35VDC max for 500 ms
ON-state voltage/current	12,30VDC (min 3mA) 6mA @ 24VDC, 9mA @ 30VDC
OFF-state voltage/current	6VDC max, 1mA
Input impedance	3,3K Ohm
Input filter delay max	50 ms
Debounce filter	Programmable 0.1ms to 20ms
Isolation	1500 Vrms
Connector type	Omnimate Range header/plugs 3.5mm-10 contacts (two piece terminal blocks) SL-SMT 3.5/180F Box + BLZF 3.5/180F

DIGITAL OUTPUTS

Description	Specifications
Output channels	6 digital source type optoisolated outputs with feedback of output driver fault status.
Output voltage	12,30VDC
Output current	0.5A
Output delay time	150 ms max
Output protection	Overcurrent and overtemperature protected driver
Isolation	1500 Vrms
Connector type	Omnimate Range header/plugs 3.5mm-10 contacts (two piece terminal blocks) SL-SMT 3.5/180F Box + BLZF 3.5/180F

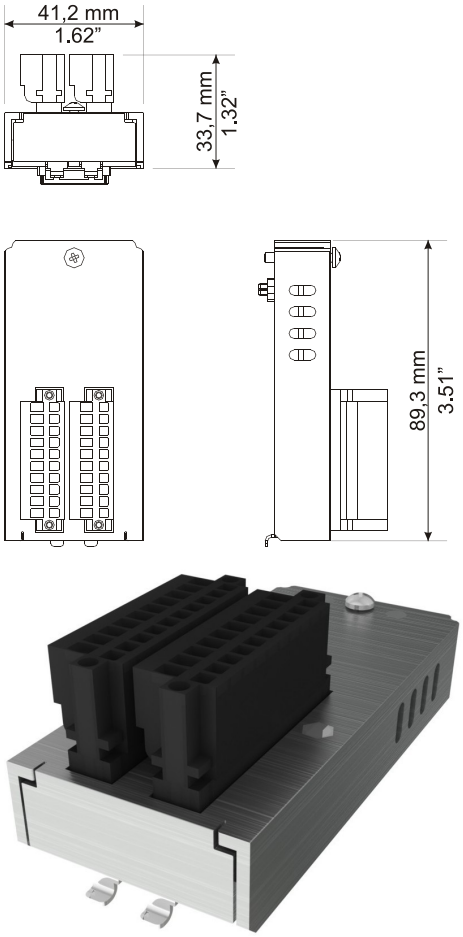
RELAY OUTPUT

Description	Specifications
Output channels type	Relay single contact (norm open)
Load	Resistive load
Rated load	1A at 30Vrms
Max switching voltage	42.4Vac (30Vrms); 60Vdc
Max switching current	1A
Isolation	1500 Vrms

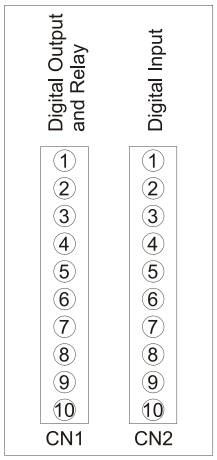
ENVIRONMENTAL CONDITIONS

Description	Specifications
Operating temperature	0÷50 °C
Storage temperature	-20÷70 °C
Operating humidity	5÷85% relative humidity, non condensing
Protection class	IP20

Dimensions

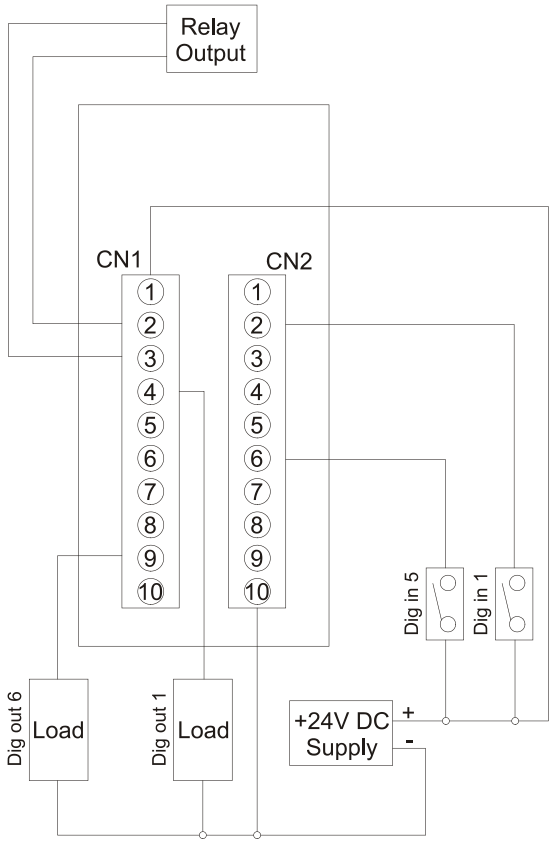


Pin assignment/connectors view



CN1 (Dig. Out.)	CN2 (Dig. Inp.)
1 +24V	1 +24V
2 Relay 1	2 In 1
3 Relay 2	3 In 2
4 Out 1	4 In 3
5 Out 2	5 In 4
6 Out 3	6 In 5
7 Out 4	7 In 6
8 Out 5	8 In 7
9 Out 6	9 In 8
10 GND	10 GND

Wiring examples (standard digital inputs and outputs)



Note on wiring
The cables must be no longer than 30m.

The products have been designed for use on Exor products with expansion slot for plugin module for use in an industrial environment in compliance with the 2014/30/EU directive

The products have been designed in compliance with:

EN 61000-6-4	EN 55011 Class A
EN 61000-6-2	EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8
	EN 60945

The installation of these devices into the residential, commercial and light-industrial environments is allowed only in the case that special measures are taken in order to get the conformity to IEC 61000-6 -3.

This device cannot be disposed of as a domestic waste but according to WEEE European Directive 2012/19/EU

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