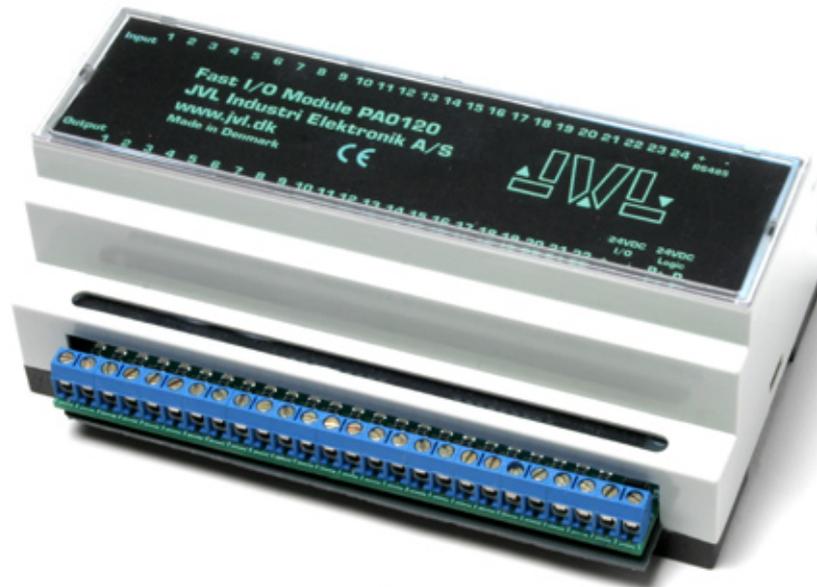


Fast I/O module PA0120



This I/O board with 24 digital inputs and 22 digital outputs is the cheapest way making I/O. In the standard version it is fully supported by SoftNC. Communication with Fast I/O through serial RS232 or RS485.

Features

- Fast program execution
- Fast digital I/O unit
- Supports Q Link protocol. (Real-time communication with SoftNC)
- Possibility for use of the I/O unit as an integrated part of the system (distributed I/O) for example with SofNC.
- Optocoupler isolated in- and outputs
- Low price. The price per I/O unit is among the lowest on the market.
- Possibility for use as a stand-alone unit.

Applications

- In Palletizing
- In Handling
- In Packing
- In Sanding

Description

This new distributed I/O module from JVL Industri Elektronik A/S sets new standards for price and performance in the automation industry. The low price and the high degree of flexibility place the Fast I/O module in a class by itself. With 24 digital in- and 22 digital outputs this I/O module has a comprehensive range of application possibilities.

The module should be used together with SoftNC soft PLC with IEC 61131-3 programming and distributed I/O.

In the standard version of the Fast I/O module it functions as a distributed I/O. The I/O's are controlled by the SoftNC software via Q Link, which the Fast I/O module is an integrated part of. Communication takes place to the I/O module via RS485 or RS232 serial interface with a communication speed of 38.4 kBaud.

The I/O module is equipped with light emitting diodes on all in- and outputs. These diodes show the actual status conditions.

If it is desired to use the I/O module for a specific task the module can be equipped with a specially programmed processor. It gives possibility for writing a program that can be stored in the memory and thereby the module can function as a stand-alone unit. Stand-alone functionality for the I/O board can also be delivered at extra cost for development of the software.

Dipswitch

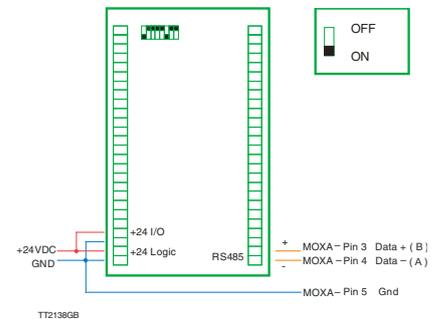
Switch no.	Bit	
1	3	4 switches make it possible to address up to 16 I/O units with a unique node no./ID no.
2	2	
3	1	
4	0	
5		Not used
6		Not used
7		Not used
8		Allways On

Ordering Information

PA0120 Fast I/O module. 23DI, 22DO

Power Supply

The I/O module must be connected to a voltage of 24VDC I/O and 24V Logic as shown below.



Specifications

24 Input voltage	10-30 VDC. Impedance 3k3
22 Output voltage	10-30VDC 120mA (Peak 500mA single output)
Dimensions PLC (hxbxl)	60x105x155 mm
EMC resistance burst/ESD	Conforms to EN50081-2 og EN50082-2 std.
EEPROM	256 Bytes vibration/shock resistance conforms ID IEC 68-2-6/68-2-27
Power supply logic	10-30VDC (Typical 24VDC)
Power supply I/O	10-30VDC (Typical 24VDC)
Data transfer medium	RS232/RS485 (not optocoupler isolated)
Cable length	RS485 = 1200m/ RS232 = 15m
Communication speed/ Data transfer rate	38.4kbaud/Optimal (higher on request)
PLC programming	Conforms to IEC 61131-3 standard
Protocol	Open, Documented Q Link
Weight	260g
Storage temperature	-25°C to +85°C
Operating temperature	0°C to +45°C



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