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CIO Series

CAN Interfaces

Description

The CAN I/O modules provide the link between the analogue I/O of the HV modules (APS, BPS, CPS, DPS & EPS) to the CAN bus. All HV modules and units with analogue interfaces can be integrated into a CAN bus based software controlled system. The high resolution of the internal ADCs and DACs allows the user to set the output voltage in steps of 10mV in a range of up to 1000V. Depending on the type of HV module the voltage, the current, INHIBIT, polarity as well as voltage & current limits can be controlled and monitored via the interface. The CIO/20F/m0 can control up to 16HV modules.



- Universal CAN interface with analogue & digital ports
- A/D D/A converters with up to 16bit resolution
- Can be used as interface with HV modules
- Up to 32 analogue inputs & 16 outputs

Selection Table

Part Number	ADC		DAC		Analogue I/O Voltages	Digital I/O Channels	Format
	Channels/Resolution	Channels/Resolution	Channels/Resolution	Channels/Resolution			
CIO/20F/m0x	32	16bit	16	16bit	0 - 5V	8bit I/O Bus	Cassette
CIO/FF/m0x	16	16bit	16	16bit	0 - 5V	8bit I/O Bus	Cassette
CIO/F8/m0x	16	16bit	8	16bit	0 - 5V	8bit I/O Bus	Cassette
CIO/F2/2	8/16	8/10bit	2	16bit	0 - 2.0V	16 I/O Ports	PCB Board
CIO/F2/1	8/12	8/10bit	2	12bit	0 - 2.0V	16 I/O Ports	PCB Board
CIO/D	—	8/10bit	8	10bit	0 - 5V	16 I/O Ports	PCB Board

Technical Data

PCB Board dimensions.....42 x 34mm²
 Cassette dimensions.....3U x 4HP x 160mm or PCB board 160 x 100mm²

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ET must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ET specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Your chosen unit may differ from that shown.