

INTERRUPTION CARD, COUNTERS, INPUTS AND OUTPUTS MTC-4015

DESCRIPTION



The MTC-4015 card is a configurable fast counters and interrupts card, as well as general purpose inputs and outputs. These counters can be used in both simple applications and complex real-time controls.

It is a versatile programmable logic card. It has a group of generic meters and other more specific ones that cover a wide range of applications, even so they can be oriented for specific applications at the customer's request.

This card can be used to complement the control in one or more MTC-4031 through the bus. This is very useful in applications that require tight controls for position, speed, or shift registers.

Several cards can be connected to the same rack.

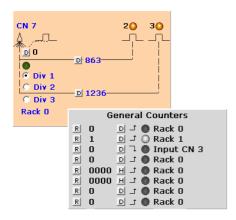
Its configuration is carried out in a simple and intuitive way using graphic software. Access to the counters and fast I / O is done from the CoDeSys programming environment (www.3s-software.com) using function blocks.

Summary of benefits:

- Group of 16 counters for shift registers
- Counter with 16 latched registers
- Counter with tracking and an outputt
- Counter with follow-ups and double output
- 1bit shift register with 4 delayed outputs
- 16 interrupt sources

APP

The MTC-4015, It is mainly used in applications that require precision in signal counting and a fast response to the command in real time. It is worth noting the flexibility and ease of configuration. These are some of its applications:

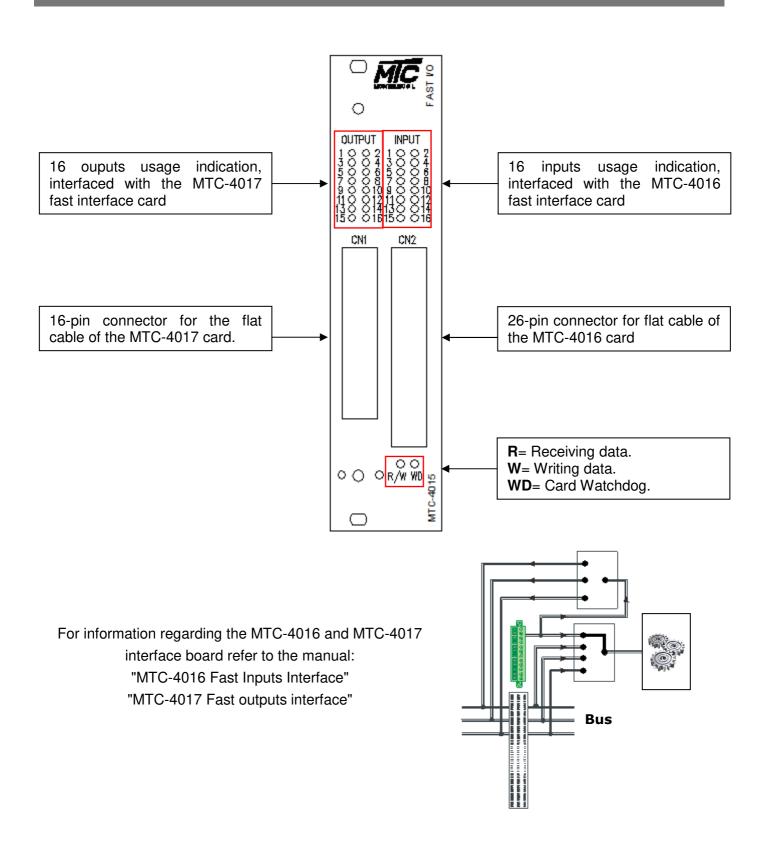


- Incremental / decremental counts
- Rotational speed and frequency measurements
- Generating interrupts to the MTC-4000 or Dutt-5000 CPU
- Signal tracking
- Shift records
- Control of motors in speed and position loops
- Systems synchronization
- Signal delay
- Period measurement



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DESCRIPTION OF THE FRONT ELEMENTS





JUH INTERRUPTION CARD, COUNTERS, INPUTS AND OUTPUTS MTC-4015

TECHNICAL SPECIFICATIONS

Format	
Euroj	pe format card
Precision	
	speed internal oscillator80MHz
Frontal	
1 flat1 flatStatu3 LEI	cable connector
Inputs	
QuanMax	ts type:
Outputs	
■ Quan	ut type: opto-coupled (24V) tity 16 (via interface) of the ouputs interface board MTC-4017
Interrupti	ons
GeneFlankRegis	ner of sources
Communic	ation between cards
	al handling between MTC-4015two dual I / O channels 4031 encoder signal handling3 configurable triple channels
Accountar	its
Coun	p of 8 counters for shift registers
\rightarrow	or tracking counter Clock Origin:
■ Coun → → →	ter for sensor position control 1 self-addressing counter X4
Shift regis	ter
InputNumlRegis	rd resolution
	gurable by program for all elements16 filters
 f_{max} f f_{min} f Minin 	16 Inters 17 Inters 18 Inters 18 Inters 19 I