

### Tehničke specifikacije

Order No.	CTS7 253-1BH32
Physical Features	
Dimension(W×H×D)	71×62×80mm
Power Dissipation	
Power input	20.4 to 28.8VDC , with anti- reverse connection protection
24 VDC Sensor Power supply	72.7mA
+5V power for the extended bus	217mA
Input Features	
Input type	Sink/Source ( IEC type 1/Sink )
Number of integrated digital inputs	8
Voltage	24 VDC when 5mA
Maximum continuous permissible voltage	30 VDC
Surge voltage	35 VDC last 0.5 s
Logical 1 Signal (minimum)	When 2.72mA,15.6 VDC ( I0.0、 I0.1、 I0.2、 I0.4、 I0.5、 I0.6 ) When 2.55mA,12.8VDC ( I0.3、 I0.7 )
Logical 0 Signal (maximum )	When 2.69mA,15.4VDC ( I0.0、 I0.1、 I0.2、 I0.4、 I0.5、 I0.6 ) When 2.51mA,12.6 VDC ( I0.3、 I0.7 )
Input lag	< 1.1us ( I0.0、 I0.1、 I0.2、 I0.4、 I0.5、 I0.6 ) ) < 1ms ( I0.3、 I0.7 )
Leakage current allowed ( maximum )	1mA
Isolation( field side and logical circuit)	√
Optical	500 VAC , 1 minute
Isolation group	Refer to the Terminal Identification

High-speed input rate High speed counter logic1=16 ~ 26 VDC	200KHz ( Single-phase,Dual phase ) ( I0.0 , I0.4 ) 200KHz ( A/B phase ) ( I0.0 and I0.1, I0.4 and I0.5 )
Simultaneous output	8
Cable length ( maximum )	isolation 500m standard input , 50m high- speed counter input
	Not isolation 300m standard input
Output Features	
Number of integrated Digital inputs	8
Type	Solid-MOSFET(Sink,NPN)
Power	24 VDC
Output voltage range	5 to 28.8 VDC
Surge current ( maximum )	8A last 100ms
Logical 1 Signal (minimum)	20 VDC
Logical 0 Signal (maximum )	0.1 VDC , 10K $\Omega$
Rated current ( maximum )	0.5A
The current rating of every pin ( maximum )	2.0A
Leakage current(maximum)	10 $\mu$ A
Lighting load ( maximum )	3.5W
Induction clamping voltage	L+ 48 VDC , 1W Power consumption
On resistance	0.3 $\Omega$ ( 0.6 $\Omega$ maximum )
Isolation Optical ( electrochemical , field side and logical circuit ) isolation(Galvanic)	500 VAC , 1 minute
Delay ( maximum ) Off to on On to off	0.2 $\mu$ s ( Q0.0、 Q0.1、 Q0.2、 Q0.3 ) , 50 $\mu$ s ( Q0.4、 Q0.5、 Q0.6、 Q0.7 ) 0.2 $\mu$ s ( Q0.0、 Q0.1、 Q0.2、 Q0.3 ) , 130 $\mu$ s ( Q0.4、 Q0.5、 Q0.6、 Q0.7 )
Pulse frequency ( maximum )	200KHz ( Q0.0、 Q0.2 )
Outputs at the same time	Output all when 55 $^{\circ}$ C
Two parallel outputs	only when the two outputs are in the same group

Maximum cable length	500m(standard output)
Shielded	
Unshielded	150m(standard output)

Support Instruction

Table Instruction

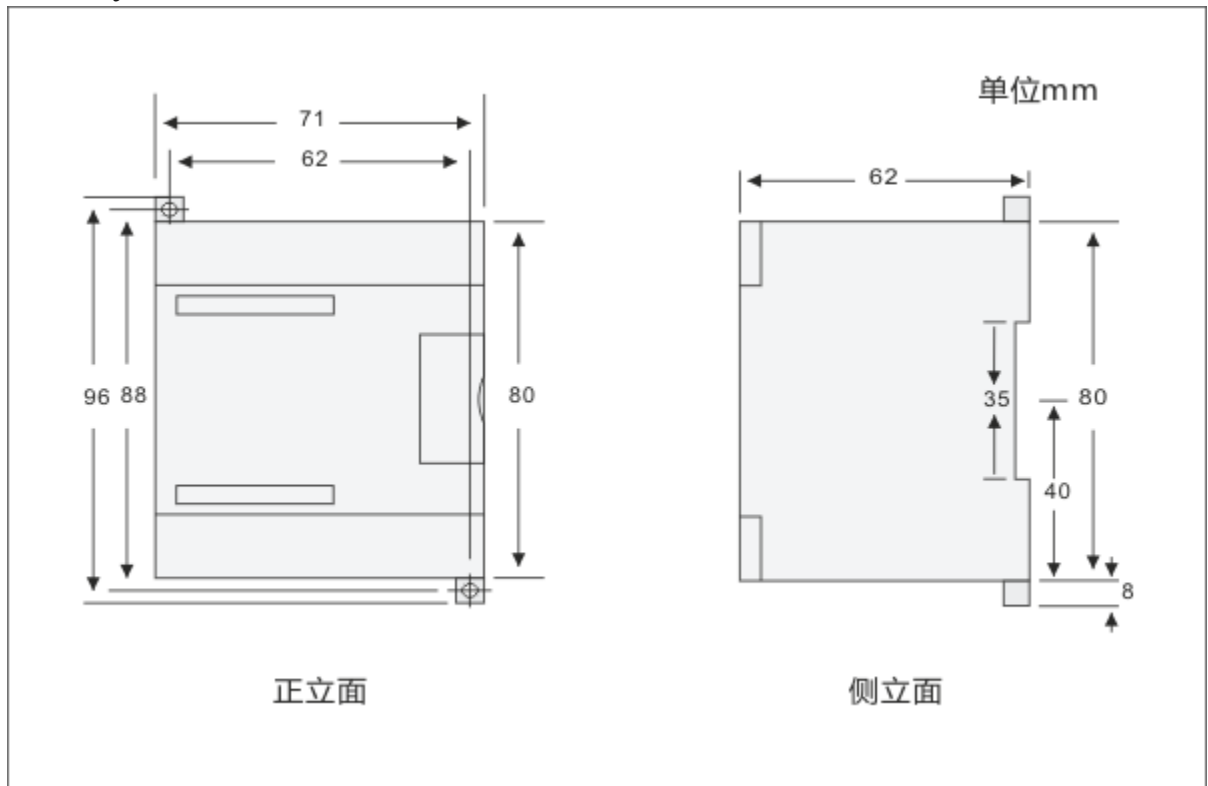
Function name	Instruction name	Support or not
MC253_INIT_DIR	Configurate motor direction instruction	Support
MC253_READ_POS	Read position instruction	Support
MC253_PTP_R	Single shaft relative motion instruction	Support
MC253_SPEED_CTRL	Speed control instruction	Support
MC253_SET_POS_ZERO	Software reset instruction	Support
MC253_SET_POS_PV	Setting target location instruction	Support
MC253_EXT_RESET_EN_EXT	External reset coordinate enabling instruction	Support
MC253_SET_MAX_ACCELE	Set maximum acceleration instruction	Support
MC253_PWM	Pulse width modulation instruction	Support
MC253_INIT	Motion control module initialization instruction	Support,must be use at initial
MC253_DO_CTRL	Control module output instruction	Support
MC253_READ_DI	Read module input state instruction	Support
MC253_HSC_INIT	Setting module high speed counter instruction	Support
MC253_READ_HSC	Read module high speed counter state instruction	Support

Use standard

- 1、 Support Siemens Micro/win programming but PTO/PWM instruction.Used together CO-TRUST motion control lib :motion\_ctrl\_module\_lib
- 2、 EM253 support CTSC-200 series CPU,it is not compatible with Siemens CPU and CO-TRUST
- 3、 Need to call file motion\_ctrl\_module\_lib when use EM253 DI/DO.For example DI call MC253\_READ\_DI,DO call MC253\_DO\_CTRL

- 4、EM253 module occupancy analog address 4AI/4AQ,need to clear away the analog address when want to use
- 5、Distribute address in the symbol table,attention do not with these address conflict when programming
- 6、Must be called MC253\_INIT instruction when call motion instruction

Dimenzije



Šema povezivanja

