

Sine feedback for CD5 and PICO5

MENCTYPE - sets the motor encoder type. When this variable is changed on an encoder-based system, the drive will enter a no-comp state, requiring a CONFIG command (see CONFIG).

Encoder Characteristics				
Menctype	A/B	Marker Pulse	Absolute position	comments
0	x	x	Hall Effects	A/B/Z/H
1	x	x		A/B/Z ENCSTART, ENCINIT
2	X	x		A/B/Z ENCSTART, ENCINIT
3	x			Wake & Shake ENCSTART
4	x			Wake & Shake on power up K & ENCSTART
6	x		Hall Effects	A/B/H
7	x	x	C/D Channels	A/B/C/D/Z
8	x		C/D Channels	A/B/C/D
9	x		Endat	Heidenhain
10	x		Hiperface	Stegmann

MENCTYPE 0 - 4 can be used with both the Digital and Sine option. The drive will automatically sense the Sine Encoder board and make the appropriate adjustments.

CD5 C2 pin#	Sine C/D index (opt)	Sine Halls index (opt)	Heidenhain # and color		Stegmann # and color	
1	A	A	A+	2a green/black	+COS	8 pink
2	/A	/A	A-	5b yellow/black	Ref COS	4 black
3	Shield	Shield	Shield			
4	B	B	B+	4a blue/black	+SIN	7 white
5	/B	/B	B-	3b red/black	Ref SIN	3 brown
6	Shield	Shield				
7	5V RTN		Sensor 0 V	3a white	GND	2 blue
8	5V RTN	5V RTN	0 V	4b white/green		
9	/C	HA	/DATA	1a pink	Data -RS485	6 green
10	/D	HB	/CLOCK	5a yellow		
11		HC				
12	Shield	Shield				
13	Temp H	Temp H	Temp H	From motor	Temp H	From motor
14	Shield	Shield			Shield	
15	Index	Index				
16	/Index	/Index				
17	Shield	Shield				
18	+5VDC		Con 19 and 20			
19	+5VDC		Sensor 5V	6a blue	+5VDC	1 red
20	+5VDC	+5VDC	5V UP	1b brown/green		
21	Shield	Shield				
22	C	/HA	DATA	6b gray	Data +RS485	5 gray
23	D	/HB	CLOCK	2b violet		
24		/HC				
25	Temp L	Temp L	Temp L	From motor	Temp L	From motor

Beware that Stegmann have two types of supply 8V supply and 5V supply. CD5 works only w/ Stegmann 5V models.

24V logic :user needs to be aware of noise and integration if other noise sensitive components are utilizing the same 24V supply. Additional filtering may be required.