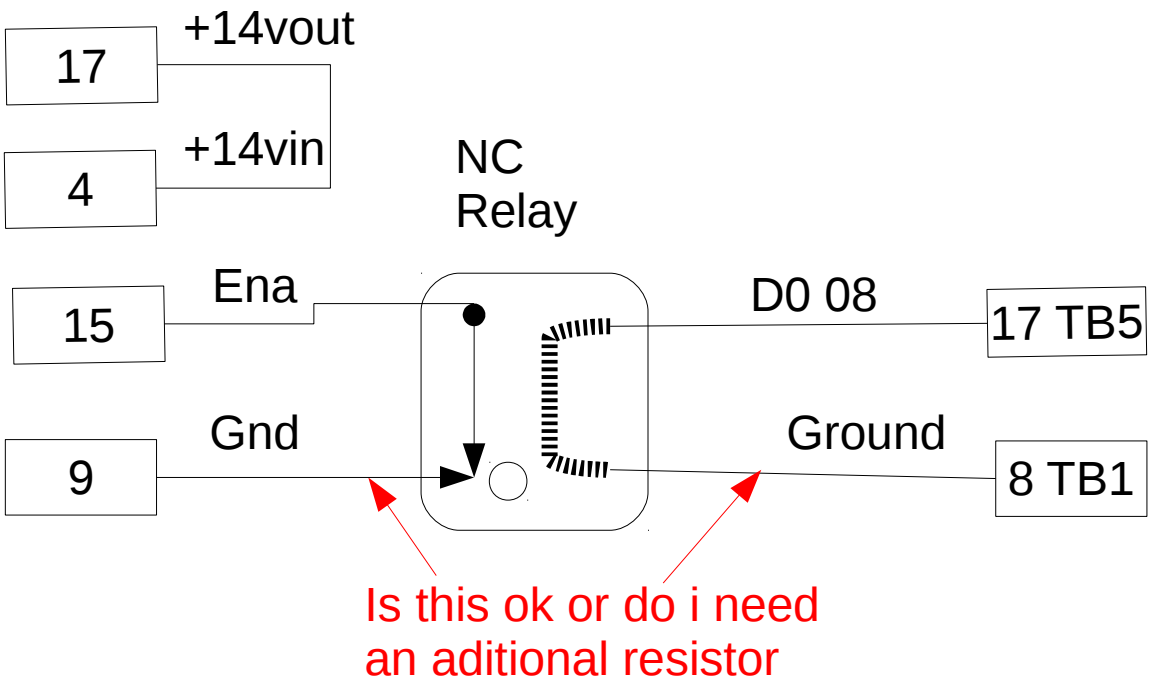
IO Axis O

DMM Servo Drive
Main Signal IO
JP4

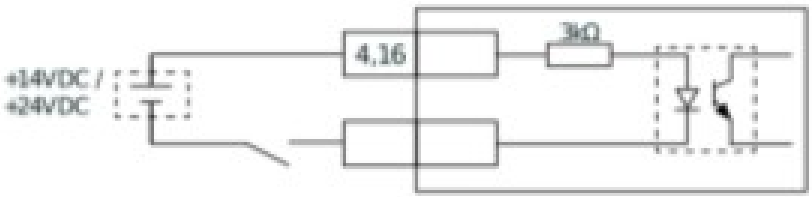
Mesa 7I76e

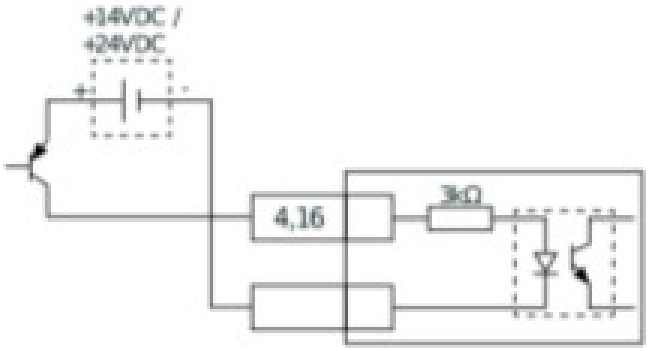


There has to be a more eligant way to do this with out the relay.
I should put a diode acros A1 and A2 of the relay to stop induced voltage from the coil being fed into the Dout when the coil field colapses.

Pin No.	Symbol	Details	I/O	Interface Circuit
15	ENA	- Servo enable/disable input - Active Low (servo disabled when low) - Motor coasts when servo disabled (shaft free) - Disable clears all pulse/analog commands - Disable clears all position calculation and error	Input	A

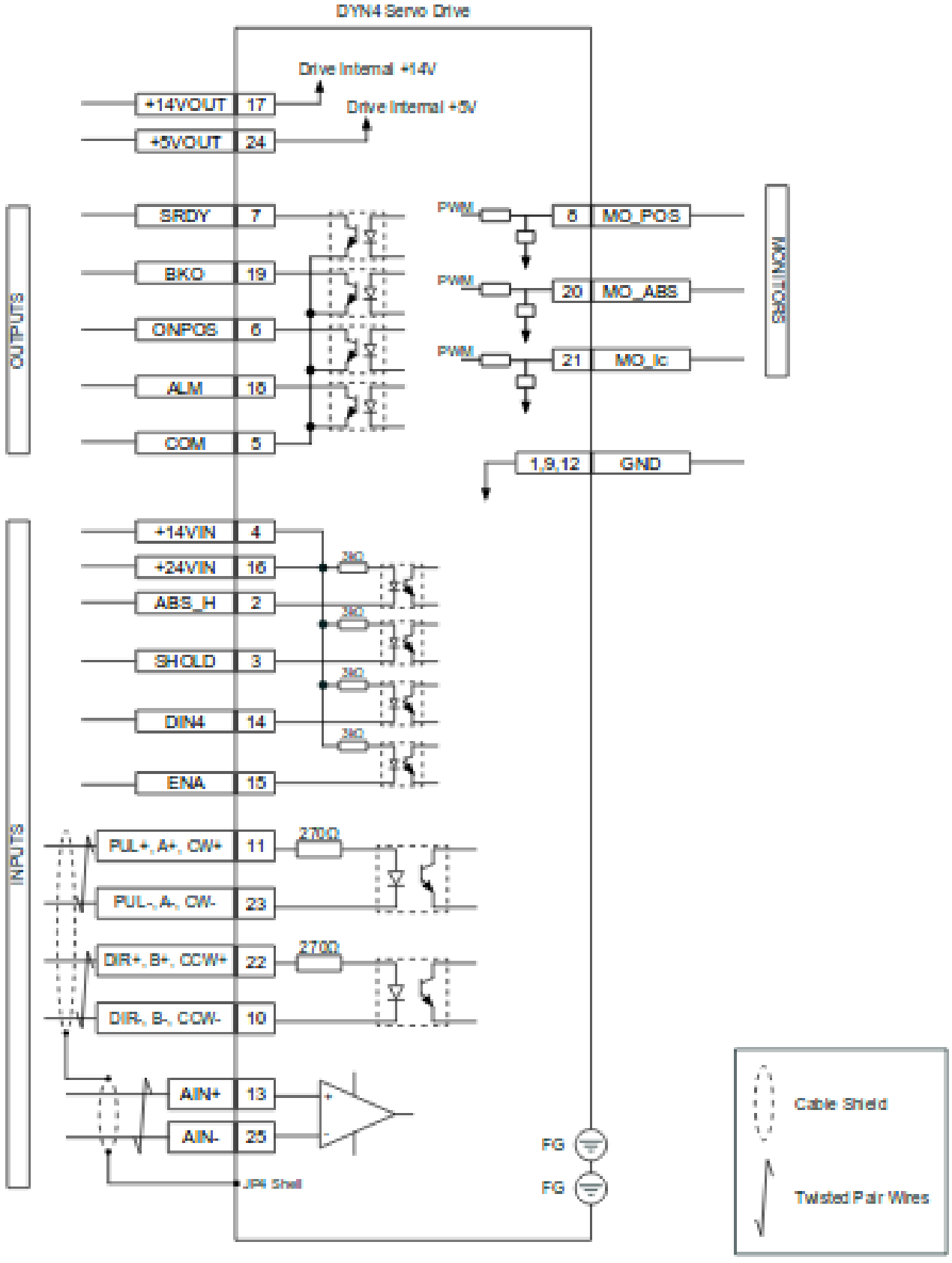
Interface Type	Applicable Signals	Specification
A	[J P4-2] ABS_H [J P4-3] SHOLD [J P4-4] +14VIN [J P4-14] DIN4 [J P4-15] ENA [J P4-16] +24VIN	- Use external +14VDC or +24VDC power supply - Can also use internal +14VDC power supply J P4-17 - Max 30VDC input, 10mA - Do not use same +24VDC power supply as holding brake

Circuit Example (Sink Circuit)	Notes
Open Collector 	- NPN Transistor
Relay/Switch 	

Circuit Example (Source Circuit)	Notes
Open Collector 	- PNP Transistor

Example logic using +24VDC power supply:

Power Supply	PNP Transistor	Voltage Level	Signal
+24VDC	OFF	0V	Low
	ON	24V	High


DYN4 Servo Drive
Drive Internal +14V
Drive Internal +5V
+14VOUT 17
+5VOUT 24
OUTPUTS
SRDY 7
BKO 19
ONPOS 6
ALM 18
COM 5
PWM
5 MO_POS
PWM
20 MO_ABS
PWM
21 MO_Ic
MONITORS
1,9,12 GND
INPUTS
+14VIN 4
+24VIN 16
ABS_H 2
SHOLD 3
DIN4 14
ENA 15
360
PUL+, A+, CW+ 11
PUL-, A-, CW- 23
DIR+, B+, CCW+ 22
DIR-, B-, CCW- 10
270Ω
AIN+ 13
AIN- 25
JP4 Shell
FG
FG
Cable Shield
Twisted Pair Wires