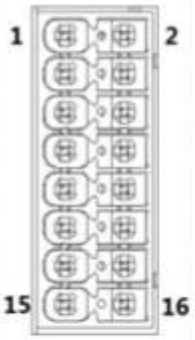
I/O Signal Port - CN1

CN1 connector is a 16-pin spring loaded connector.

Port	Pin	Signal	Description	Remarks
	1	EXT1+	Probe 1 positive terminal	2 high speed probe inputs function
	2	EXT2+	Probe 2 positive terminal	
	3	NC	Reserved	
	4	NC	Reserved	
	5	EXT1 -	Probe 1 negative terminal	
	6	EXT2 -	Probe 2 negative terminal	
	7	DICOM	Common DI	Double-ended common DI Configurable Recommended voltage: 12VDC – 24VDC
	9	DI1	Reserved	
	11	DI2	POT：Positive limit switch	
	13	DI3	NOT：Negative limit switch	
	15	DI4	HOME：Homing done	
	8	DO1	ALM：Alarm	DO1,DO2: Single-ended DO3: Double-ended Configurable Recommended voltage: 12Vdc – 24Vdc, max 30V Recommended current: 10mA, max 50mA
	10	DO2	BRK-OFF：Holding brake activated	
	12	DO3+	INP：Positioning completed	
	14	DO3−		
	16	DOCOM	Common DO	

Selection of I/O signal cable

To ensure I/O signal to not be affected by electromagnetic interference, a shielded twisted pair cable is recommended for this application.

Item
Wire diameter ≥ 0.14mm², foil shielded should be connected to PE terminal.
Wire length should be as short as possible, not more than 3m.
Install a surge suppressor in feedback circuit; flyback diode inversely connected in parallel in DC coil and capacitor connected in parallel in AC coil.
Recommended wire gauge: 24 - 26AWG
I/O signal included DI, DO and relay output signal
Please keep 30cm away from main power supply cable or motor power cable to avoid electromagnetic interference.

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