

Servo on	SON	17	<p>Servo start signal terminal.</p> <p>Connect SON-SG to switch on the base circuit (servo on). Disconnect SON-SG to shut off the base circuit (servo off) and coast the servo motor.</p> <p>Set □□1 in parameter No. 6 to change the setting as follows: Disconnect SON-SG to switch servo on and connect SON-SG to switch servo off.</p>	DI-1
Forward rotation stroke end	LSP	15	<p>Forward rotation stroke end signal input terminal.</p> <p>This terminal cannot be used in the factory setting.</p> <p>To use this terminal, set □0□ in parameter No. 6. In this case, when LSP-SG are disconnected, the servo motor cannot be run in the CCW direction. The servo motor can be run in the CW direction.</p> <p>When LSP-SG are disconnected, an alarm does not occur but the home position is lost and zeroing is required again.</p>	DI-1
Reverse rotation stroke end	LSN	14	<p>Reverse rotation stroke end signal input terminal.</p> <p>This terminal cannot be used in the factory setting.</p> <p>To use this terminal, set □0□ in parameter No. 6. In this case, when LSN-SG are disconnected, the servo motor cannot be run in the CW direction. The servo motor can be run in the CCW direction.</p> <p>When LSN-SG are disconnected, an alarm does not occur but the home position is lost and zeroing is required again.</p>	DI-1
Clear	CR	13	<p>Clear signal input terminal.</p> <p>Connect CR-SG to clear the position control counter on the leading edge of the signal. Using parameter No. 6, the setting can be changed to always clear the position counter during connection of CR-SG. The pulse width should be 10ms or more.</p>	DI-1
Trouble	ALM	2	<p>Trouble signal output terminal.</p> <p>ALM-SG are disconnected when power is switched off or the protective circuit is activated to shut off the base circuit. Normally, ALM-SG are connected within 1.5s after power on. Connect the regenerative brake option or the like with a temperature detector to make up a protective circuit.</p>	DO-1
Positioning finished	PF	3	<p>Positioning finished signal output terminal.</p> <p>PF-SG are connected when the number of droop pulses is in the preset in-position range. The in-position range can be changed with parameter No. 5.</p>	DO-1
Encoder Z-phase pulse	OP	4	<p>Outputs the zero-point signal of a encoder. One pulse is output per servo motor revolution.</p> <p>The minimum pulse width is about 800μs. For zeroing using this pulse, set the creep speed to 100r/min or less.</p>	DO-1
Forward rotation pulse train	PP	9	Command pulse train input terminals.	DI-2
Reverse rotation pulse train	PG	10	Input command pulse trains.	
	NP	7	In the open collector system:	
	NG	8	<p>Forward pulse train across PP-SG</p> <p>Reverse pulse train across NP-SG</p> <p>In the differential receiver system:</p> <p>Forward pulse train across PP-NG</p> <p>Reverse pulse train across NP-NG</p>	