

1. OUTLINE OF S10 SERIES AC SERVO SYSTEM
1.2 S10 SERIES SERVO SYSTEM TABLE

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System structure

System	Command	System structural drawing	System type/System performance	Axis specification	Servo amplifier	Option card	Unit format	Cable name
Incremental detection	Semi-closed loop		<ul style="list-style-type: none"> Standard type Maximum follow-up performance: 1 Mpps Minimum resolution (Motor shaft end): 0.010°/p Maximum speed: 3000 rpm The maximum speed depends on the motor being used. High accuracy type Maximum follow-up performance: 2 Mpps Minimum resolution (Motor shaft end): 0.0036°/p Maximum speed: 2400 rpm 	1-axis	MR-S11-□-E01	-	<ul style="list-style-type: none"> Motor: OSE5K-1X-1 (OSE5K) Ball screw end detector 	<ul style="list-style-type: none"> Amplifier: CN2K○ Motor shaft end detector: AxIn as a detector Cable: N541G5B3, N541G5B2
				2-axis	MR-S12-□-E01	-	<ul style="list-style-type: none"> Motor: OMR25K-1X-1 (OMR25K) Ball screw end detector 	<ul style="list-style-type: none"> Amplifier: CN33K○ Motor shaft end detector: L 5 20mm, N541G616
Closed loop	Ball screw end detection		<ul style="list-style-type: none"> Ball screw end detection type Maximum follow-up performance: 1 Mpps Minimum resolution (Ball screw end): 0.018°/p Maximum speed: 3000 rpm The maximum speed depends on the motor being used. Scale F/B type Maximum follow-up performance: 1 Mpps Minimum resolution: 1μm or 0.5μm Maximum speed: 3000 rpm System performance depends on the motor and scale being used. High accuracy scale F/B type Maximum follow-up performance: 2 Mpps Minimum resolution: 0.1μm Maximum speed: 2400 rpm System performance depends on the scale being used. 	1-axis	MR-S11-□-E31	RF-31	<ul style="list-style-type: none"> Motor: OSE5K-1X-1 (OSE5K) Ball screw end detector 	<ul style="list-style-type: none"> Amplifier: CN2K○ Motor shaft end detector: OSE5KH-KT Cable: CN31RN○
				2-axis	MR-S12-□-E31	RF-312	<ul style="list-style-type: none"> Motor: OSE5K-1X-1 (OSE5K) Ball screw end detector 	<ul style="list-style-type: none"> Amplifier: CN2K○ Motor shaft end detector: OSE5KH-KT Cable: CN31HO/HO
Absolute position detection	Semi-closed loop		<ul style="list-style-type: none"> Absolute position detection type Maximum follow-up performance: 1 Mpps Minimum resolution (Motor shaft end): 0.018°/p Maximum speed: 3000 rpm The maximum speed depends on the motor being used. Absolute position ball screw end detection type Maximum follow-up performance: 1 Mpps Minimum resolution (Ball screw end): 0.018°/p Maximum speed: 3000 rpm The maximum speed depends on the motor being used. 	1-axis	MR-S11-□-E33	RF-33	<ul style="list-style-type: none"> Motor: OMR25K-1X-3 (OMR25K) Ball screw end detector 	<ul style="list-style-type: none"> Amplifier: CN33K○ Motor shaft end detector: OMR25KH-KT Cable: CN31HO
				2-axis	MR-S12-□-E33	RF-332	<ul style="list-style-type: none"> Motor: OMR25K-1X-3 (OMR25K) Ball screw end detector 	<ul style="list-style-type: none"> Amplifier: CN33K○ Motor shaft end detector: OMR25KH-KT Cable: CN31HO
Closed loop	Ball end detection		<ul style="list-style-type: none"> Absolute position ball screw end detection type Maximum follow-up performance: 1 Mpps Minimum resolution (Ball screw end): 0.018°/p Maximum speed: 3000 rpm The maximum speed depends on the motor being used. 	1-axis	MR-S11-□-Z33	RF-33	<ul style="list-style-type: none"> Motor: OMR25K-1X-3 (OMR25K) Ball end detector 	<ul style="list-style-type: none"> Amplifier: CN2K○ Motor shaft end detector: OMR25KH-KT Cable: CN33R
				2-axis	MR-S12-□-Z33	RF-332	<ul style="list-style-type: none"> Motor: OMR25K-1X-3 (OMR25K) Ball end detector 	<ul style="list-style-type: none"> Amplifier: CN2K○ Motor shaft end detector: OMR25KH-KT Cable: CN33R

Note (1) : System structural drawing above represents the one axis type.
(2) : In a two-axis system, when the required option cards are same systems, systems can be combined freely for each axis.
In addition, the standard system can be combined with any system.