

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
							Motor shaft end detector	Amplifier - motor shaft end detector - machine end detector cable	
Closed loop	Semi-closed loop		Standard type • Maximum follow-up performance: 1 Hpps • Minimum resolution (motor shaft end): 0.018°/p • Maximum speed: 3000 rpm The maximum speed depends on the motor being used. High accuracy type • Maximum follow-up performance: 2 Hpps • Minimum resolution (motor shaft end): 0.0036°/p • Maximum speed: 2400 rpm	1-axis	HR-S11-□-E01	-	OSE5K-6-12-108 (OSE5K)	CN2K○	-
				2-axis	HR-S12-□-E01	-	OSE5K-8-108-108 (OSE5K)	CN2K○	-
Closed loop	Incremental detection		Ball screw end detection type • Maximum follow-up performance: 1 Hpps • 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 Hpps • Minimum resolution: 0.3μm • 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 Hpps • Minimum resolution: 0.1μm • Maximum speed: 2400 rpm System performance depends on the scale being used. Absolute position detection type • Maximum follow-up performance: 1 Hpps • 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 Hpps • Minimum resolution (ball screw end): 0.018°/p • Maximum speed: 3000 rpm The maximum speed depends on the motor being used.	1-axis	HR-S11-□-E31	RF-31	OSE5KR-KT-□-3-□-9.52-0	OSE5KR-KT-□-3-□-9.52-0	CN31RN○
				2-axis	HR-S12-□-E31	RF-312	Connector direction	CN2K○	Connector direction
Semi-closed loop	Semi-closed loop		Absolute position detection type • Maximum follow-up performance: 1 Hpps • Minimum resolution (motor shaft end): 0.018°/p • Maximum speed: 3000 rpm The maximum speed depends on the motor being used.	1-axis	HR-S11-□-E33	RF-33	OSE5K-6-12-108 (OSE5K)	CN2K○	CN31NO
				2-axis	HR-S12-□-E33	RF-332	Connector direction	CN2K○	Connector direction
Closed loop	Closed loop		Absolute position ball screw end detection type • Maximum follow-up performance: 1 Hpps • Minimum resolution (ball screw end): 0.018°/p • Maximum speed: 3000 rpm The maximum speed depends on the motor being used.	1-axis	HR-S11-□-Z33	RF-33	OAERSK-1X-1X-3-8-108 (OAERSK)	CN33K○	-
				2-axis	HR-S12-□-Z33	RF-332	Connector direction	CN33K○	Connector direction
Semi-closed loop	Semi-closed loop		Absolute position ball screw end detection type • Maximum follow-up performance: 1 Hpps • Minimum resolution (ball screw end): 0.018°/p • Maximum speed: 3000 rpm The maximum speed depends on the motor being used.	1-axis	HR-S11-□-Z31	RF-31	OAERSK-1X-1X-3-8-108 (OAERSK)	CN2K○	CN33R
				2-axis	HR-S12-□-Z31	RF-312	Connector direction	CN2K○	Connector direction

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.