RS-30

Rotary actuator / small type (30W)

Model number RS — □ — 30 — □ — □ — □ — □ — □

Series	Encoder type	Motor type	Speed reduction ratio	Movable angle	Applicable controller	Cable length	Option
RS	A: Absolute I: Incremental	30: 30W	50: 1/50 100: 1/100	360: 360 degree	T1: XSEL-KE T2: SCON SSEL XSEL-P/Q	N: No cable S: 3m M: 5m X□□: Specified Length	See below option list

Model/specs

Model	Encoder Type	Motor Power [W]	Speed Reduction Ratio	Movable Angle [degree]	Speed [degree/sec]	Load Inertia (*1) [kg·m²]	Rated Torque [N·m]
RS-①-30-50-360-②-③-④-L	Absolute or Incremental	30	1/50	0~360	1~360	0.0578	3.3
RS-①-30-100-360-②-③-④-L			1/100		1~180	0.2303	6.65

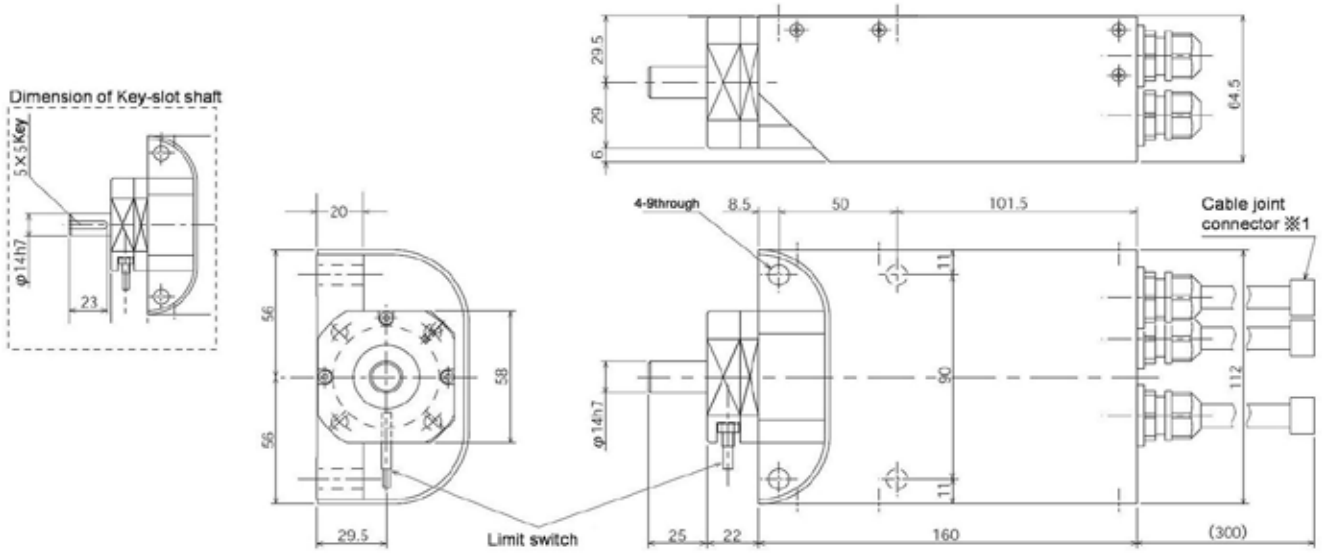
Options

Name	Model	Refer	Remark
Key-slot shaft	K	Below	
Limit sensor	L	Below	Standard option

Common specification

Repeatability	±0.028mm
Speed reduction	Harmonic Drive
Allowable load moment	9.8N・m
Weight	2.0kg
Applicable controller	T1：XSEL-J/K　T2：XSEL-P/Q、SSEL、SCON
Cable length (*2)	N：No cable　S：3m　M：5m　X□□：Specified length
Usage environment	0~40℃、85%RH (No condensation allowed)

Dimension diagram



※1
Motor cable, encoder cable and limit switch cable is connected

Adaptive controller

Applicable controller	Max axes controllable	Encoder type controllable	Operating mode	Power supply
X-SEL-P/Q	6 axes	Absolute / Incremental	Program	AC230V
X-SEL-KE	4 axes			
SSEL	2 axes			
SCON	1 axis		Positioner / Pulse train	

Caution

(Note 1) Inertia moment calculated from using condition is to be smaller than load inertia on this page.
(Note 2) Maximum cable length is 30 meters. Specify cable length by meter unit. Ex) X08 = 8 meters

RS-60

Rotary actuator / medium type (60W)

Model number: RS – [ ] – 60 – [ ] – [ ] – [ ] – [ ] – [ ] – [ ]

Series	Encoder type	Motor type	Speed reduction ratio	Movable angle	Applicable controller	Cable length	Option
RS	I: Absolute I: Incremental	60: 60W	50: 1/50 100: 1/100	360: 360 degree	T1: XSEL-KE T2: SCON SSEL XSEL-P/Q	N: No cable S: 3m M: 5m X□□: Specified Length	See below option list

Model/specs

Model	Encoder Type	Motor Power [W]	Speed Reduction Ratio	Movable Angle [degree]	Speed [degree/sec]	Load Inertia (*1) [kg·m²]	Rated Torque [N·m]
RS-①-60-50-360-②-③-④-L	Absolute or Incremental	60	1/50	0~360	1~360	0.108	5.58
RS-①-60-100-360-②-③-④-L			1/100		1~180	0.421	11.1

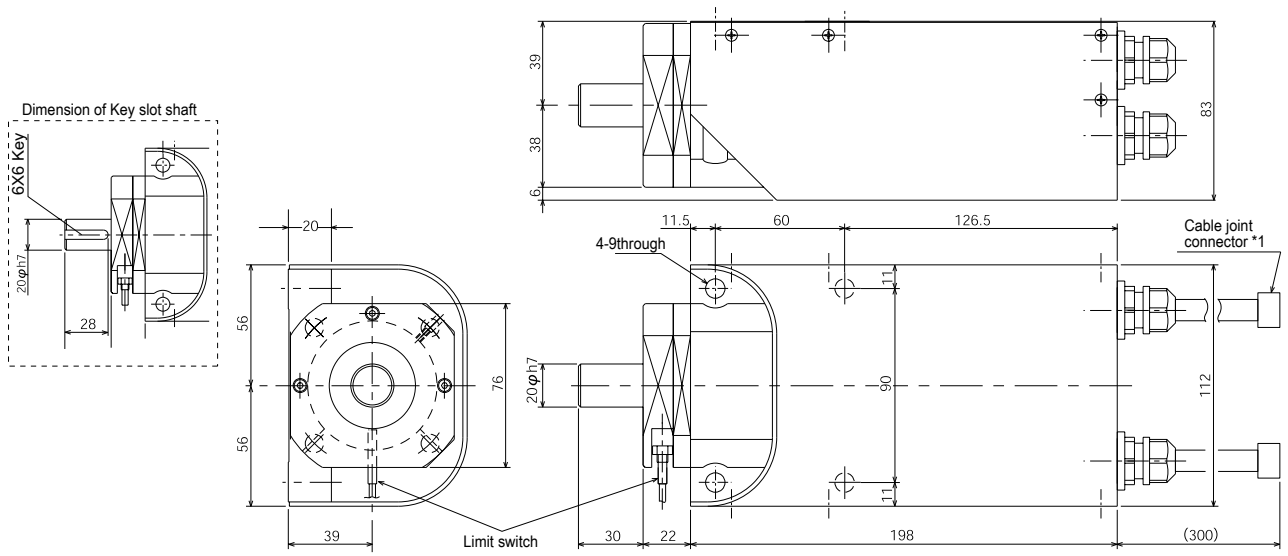
Options

Name	Model	Refer	Remark
Key-slot shaft	K	Below	
Limit sensor	L	Below	Standard option

Common specification

Repeatability	±0.028mm
Speed reduction	Harmonic Drive
Allowable load moment	23.5N • m
Weight	3.2 kg
Applicable controller	T1：XSEL-KE T2：XSEL-P/Q、SSEL、SCON
Cable length (*2)	N：No cable S：3m M：5m X□□：Specified length
Usage environment	0~40℃、85%RH (No condensation allowed)

Dimension diagram



*1
Motor cable, encoder cable and limit switch cable is connected

Adaptive controller

Applicable controller	Max axes controllable	Encoder type controllable	Operating mode	Power supply
X-SEL-P/Q	6 axes	Absolute / Incremental	Program	AC230V
X-SEL-KE	4 axes			
SSEL	2 axes			
SCON	1 axis		Positioner / Pulse train	

Caution

(Note 1) Inertia moment calculated from using condition is to be smaller than load inertia on this page.
(Note 2) Maximum cable length is 30 meters. Specify cable length by meter unit. Ex) X08 = 8 meters