



LM Guide Actuator

KR26 KR33

KR33

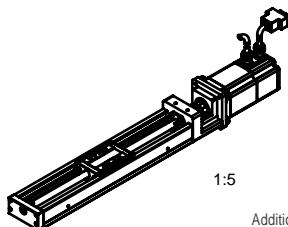
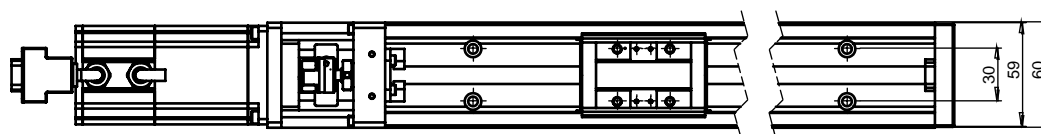
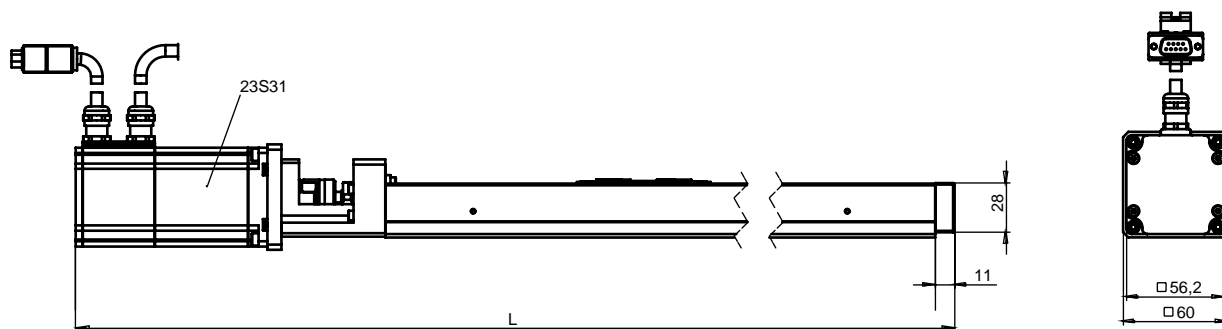
Model Configuration

Model	Ball screw lead	Stroke	Sensor	Motor**	Holding brake
KR33	006	0150	0	23S31	0
	006: 6 mm	0050: 50 mm	0: Without	23S31	0: Without
	010: 10 mm	to	1: One sensor *	23E31	1: Holding brake
		0600: 600 mm	2: Two sensors *		

* on special request

** encoder res. 40.000inc/rev

Dimensions



1:5

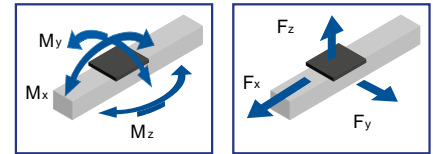
Additional mounting equipment available.

		KR33-xxx-0050	KR33-xxx-0600
Length* L	[mm]	294.5	844.5

* depends on motor type and holding brake

Basic Specifications (Axis)

		Series KR33-006	Series KR33-010
Rated Values LM Guide			
Basic dynamic load rating	[N]	11600	11600
Static dynamic load rating	[N]	20200	20200
Radial clearance	[μm]	± 4	± 4
Rated Values Ball screw			
Basic dynamic load rating C_a	[N]	2840	1760
Static dynamic load rating C_{0a}	[N]	4900	2840
Screw shaft diameter	[mm]	$\varnothing 10$	$\varnothing 10$
Lead	[mm]	6	10
Ball center-to-center diameter	[mm]	$\varnothing 10.5$	$\varnothing 10.5$
Accuracy			
Repeatability	[μm]	± 10	
Accuracy	[μm]	20	



Static Values		
Torque M_x	Nm	166
Torque M_y	Nm	428
Torque M_z	Nm	166
Force F_x	N	200
Force F_y	N	250
Force F_z	N	250

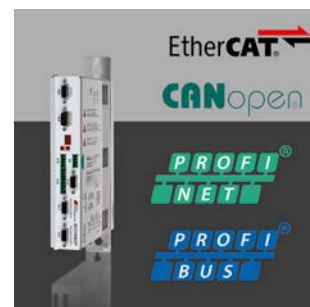
Basic Specifications (Axis and Motor)

		Series KR33-006		Series KR33-010	
Rated Values					
Mounting position		vertical	horizontal	vertical	horizontal
Ball screw	[mm]	10x6		10x10	
Acceleration	[m/s^2]	6	6	6	6
Velocity	[m/s]	0.2	0.2	0.3	0.3
Load	[kg]	30	40	20	30
Feed force	[N]	180	240	120	180
Resolution / Accuracy					
Positioning resolution ¹⁾	[μm]	0.15		0.25	
Repeatability	[μm]	± 10			
Accuracy	[μm]	20			

1) Encoder resolution 40.000 inc/rev

Amplifier Specifications

		ECOVARIO 114	ECOVARIO 114D	ECOMini-Dual
1-phase AC Supply				
Supply voltage	V_{AC}	20 .. 48	-	-
Line frequency	Hz	50 .. 60	-	-
Rated power	VA	480	-	-
DC Supply				
Supply voltage	V_{DC}	24 .. 70	24 .. 70	24 .. 70
Rated power	W	700	960	260



ECOVARIO 114



ECOMiniDual

Actuator Units

NEW All-in-one-solution

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