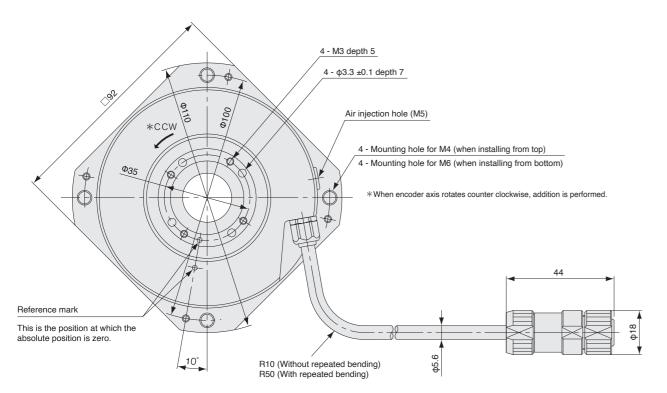
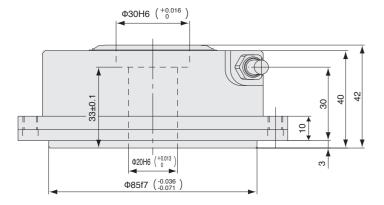
Enclosed type

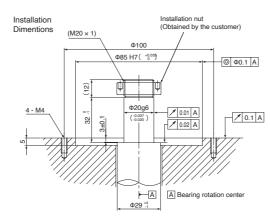
- Space saving can be achieved with a thickness of up to 42 mm.
- Magnetic system enables use even in environments with condensation, oil, and other adverse conditions
- Internal coupling allows for design and mounting flexibility



A/B/Refelence point







Model name	RU74-4096AA◆G○○ RU74-4096AC◆G○○ RU74-4096AD◆G○○			
Output wave number	4,096 waves/revolution			
Through hole diameter	ф20 mm			
Accuracy (at 20°C)	±2.5"			
Output signal	A/B/Reference point, line driver signal, compliant with EIA-422			
Compatible controllers	Controller of each company (connected to A/B quadrature and reference point signal receiver)			
Maximum resolution	Approx.1/1,000° Approx.1/10,000°			

3,000 min⁻¹

Product Safety	FCC Part15 Subpart B Class A ICES-003 Class A Digital Device EN/BS 61000-6-2, EN/BS 61000-6-4
Product Environment	EN/BS 63000

2,000 min⁻¹

Operating temperature	0 to +60 °C
Storage temperature	-10 to +60 °C
Vibration resistance	150 m/s² (50 Hz to 2,000 Hz)
Impact resistance	1,000 m/s² (11 ms)
Protective design grade	IP65
Power supply voltage	DC +4.75 to +5.25 V (with connectiong terminal)
Consumption current	200mA (at 120Ω termination)
Moment of inertia	9.4×10⁻⁵ kg⋅m² or less
Starting torque (at 20°C)	0.1 N·m or less
Mass	Approx. 1.2kg or less
Standard compatible cable	CE28-***
Maximum cable length	CE28-*** : 15 m

Magnescale reserves the right to change product specifications without prior notice.

Encoder

Maximum response revolutions

Maximum mechanical revolutions

RU74-4096A	G G G	
_		

Туре	Resolution	Direction of rotation / Direction	Number of pulses/revolution	Number of divisions
Α	Approx. 1°/1,000	CW / +	360,448	88
В	Approx. 1°/1,000	CCW/+	360,448	88
С	Approx. 1°/10,000	CW / +	3,600,384	879
D	Approx. 1°/10,000	CCW/+	3,600,384	879

[A][A]::::::::::		
[�]Minimum	pnase	amerence

т.		Minimum phase	Response revolutions (min)		Tumo	Minimum phase	Response revolutions (min
1,	ype	difference	Approx.1°/1,000	Approx.1°/10,000	Type	difference	Approx.1°/1,000
	Α	50	2,000	267	Н	500	266
	В	100	1,332	133	J	650	205
	С	150	888	89	K	1,000	133
	D	200	666	67			
	Е	250	533				
	F	300	444				
-	G	400	333				

[G] Connector	Metal	water	proofing	(JB1)
				. ,

267 min⁻¹

Type	Cable length
03	0.3 m
05	0.5 m
10	1 m
15	1.5 m
20	2 m
25	2.5 m
30	3 m
40	4 m
50	5 m
60	6 m
70	7 m
80	8 m
90	9 m

Cables

CE28 - \square \square \square \bigcirc *

[□□□]Cable length Written by flush right,

licali	on in 10 cm uni			
to 14 m,1 m pitch				
(ample)				
уре	Cable length			
070	7 m			
090	9 m			
130	13 m			

[O]Conduit Type Condu C With c N Without

	[%] Controller side confilector		
nduit	Specification	Remarks	Ι
h conduit	Earth wire		Ι
hout conduit	Open-end	Standard	Τ
	10P made by 3M	Mitsubishi Electric NC, J3	Τ
	20P made by Honda Tsushin Kogyo	FANUC	Τ

Unit: mm