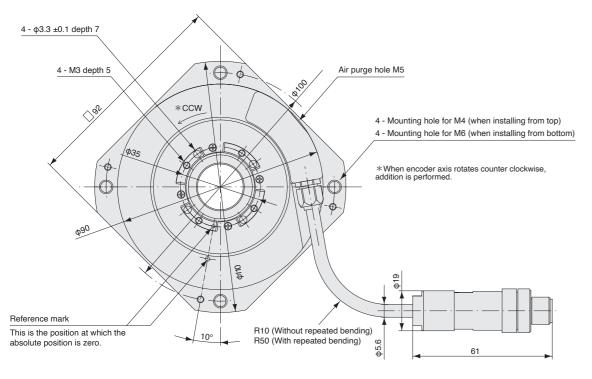
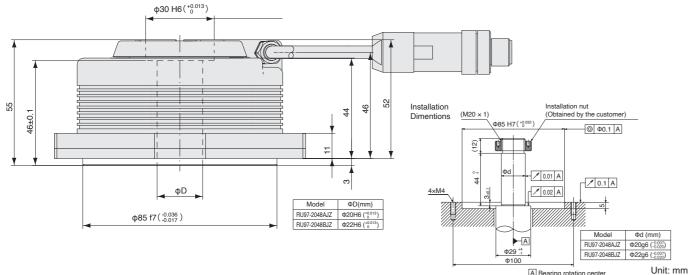
Enclosed type

- · Magnetic system enables use even in environments with condensation, oil, and other adverse conditions
- · Internal coupling allows for design and mounting flexibility



22





Model name	RU97-2048AJZ■■ RU97-2048BJZ■■			
Output wave number	2,048 waves/revolution			
Through hole diameter	A∶φ20 mm, B∶φ22 mm			
Accuracy (at 20°C)	±2.5"			
Output signal	Compliant with DRIVE-CLiQ, single turn absolute type			
Compatible controllers	SIEMENS AG			
Resolution	25 bit (33,554,432 pulses/revolution)			
Maximum response revolutions	2,000 min ⁻¹			
Maximum mechanical revolutions	3,000 min ⁻¹			
Functional safety	IEC 61508, EN/BS 62061 SIL 2 nctional safety EN/BS/ISO 13849-1 Cat. 3 / PL d EN/BS 61800-5-2			
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			
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/s ² (11 ms)			
Protective design grade	IP65			
Power supply voltage	DC +17 to +30.8 V			
Maximum consumption current	1.6 W or less (17 V or 30.8 V)			
Consumption current	65 mA (with 24 V controller connection)			
Moment of inertia	9.4×10 ⁻⁵ kg·m² or less			
Starting torque (at 20°C)	0.08 N·m or less			
Mass	Approx. 1.2 kg or less			
Compatible cables (types without relay connectors) Maximum cable length	CH22-***NSFY 30 m			
Compatible cables (types with relay connectors) Maximum cable length	CH22-***NSFF + CH22-***NSFY 30 m			

Type Drum inner diameter

A Φ20 mm B Φ22 mm

Details of model designation

$\overline{}$		1 .	
\vdash	nca)(16)	-∍r

[J] Resolution 25 bit [Z] SIEMENS AG DRIVE-CLIQ

[■■] Head cable length				
Type	Head cable length			
01	1 m			
02	2 m			
03	3 m			

Cables

CH22-□□□○▽*#

[□□□] Cable length Written by flush right, indication in "m" units, up to 30 m, 0.5 m pitch

(Example)			[O] Conduit specification		
	Type	Cable length	Type	Conduit specification	
	015	1.5 m	С	With conduit	
	070	7 m	N	Without conduit	
	260	26 m			

.15		
*]Encod	der side connector : a	
Type	Specification	Remarks
M	Encoder head connector	Standard
F	M12 connector (Female) made by Phoenix Contact	Relay/Waterproofing

[#]Controller side connector : b				
Type	Specification	Remarks		
None	Open-end			
Υ	RJ45 connector made by YAMAICHI ELECTRONICS	Adopts NC machine tool		
Z	RJ45 connector (water proof) made by YAMAICHI ELECTRONICS	Relay		
F	M12 connector (Male) made by Phoeniy Contact	Relay/Waternroofing		

