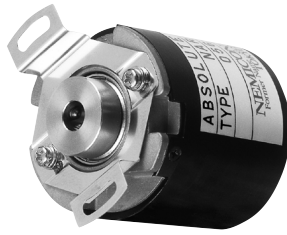


ABSOLUTE TYPE

NAR-H

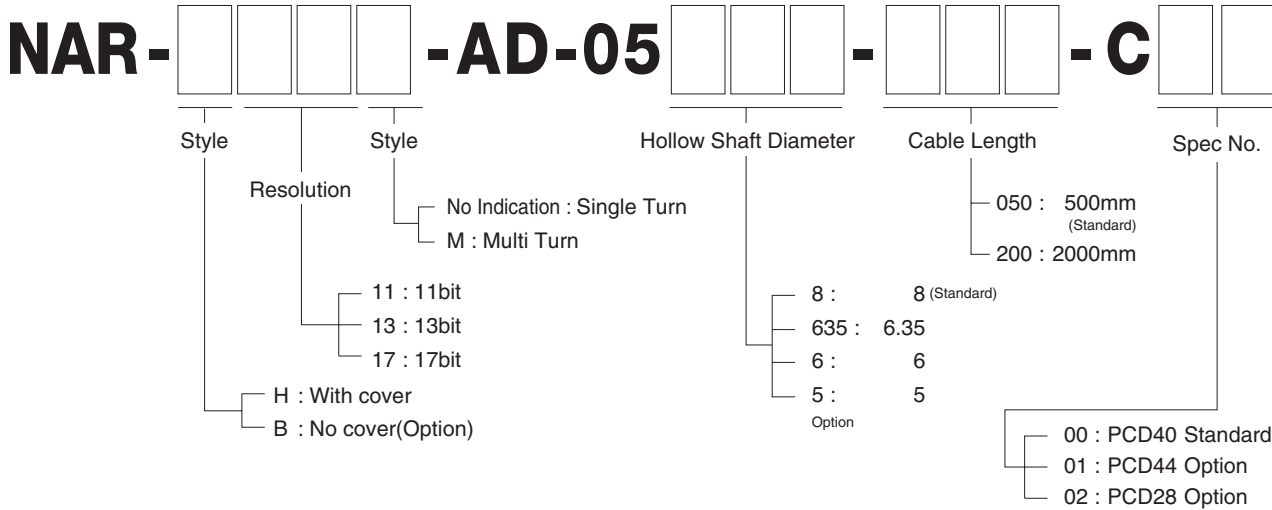
NAR-B_{Model}



Hybrid Multi Turn Absolute Encoder

- Compact Design with Small Sizing of 39mm Diameter.
- The MR Sensors is Used to Count Up The Number of Multi Turn.

Model



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SPEC	For The Multiturn		For The Singleturn
	NAR-H11M-AD	NAR-H13M-AD	NAR-H17-AD
Basic Specifications			
	Rotating Toward Counter Clockwise View from an Arrow		
Resolution	For The Singleturn	2 ¹¹ (2048P/R)	2 ¹⁷ (131072P/R)
	For The Multiturn	2 ¹³ (8192)Revolutions	
Response	Incremental	2048P/R Z Signal	
Rotational Speed	Main Power Supply	6000r/min	
	Backup Operation	6000r/min	
Power Source	Main Power Supply	DC5V	
	Backup Operation	DC3.6V	
Current Consumption	120mA or Less		100mA or Less
Current Consumption for External Battery Use	30μA or Less		
Holding Moment on Internal Capacitor	More than 3.5 hours		
Operating Temp. Range	- 20 ~ +85		
Storage Temp. Range	- 20 ~ +85		
Mechanical Specification			
Moment of Inertia	8 × 10 ⁻⁷ kg · m ²		
Maximum Angular Acceleration	1 × 10 ⁵ rad/s ²		
Maximum Shaft Loading	Radial	29.4N	
	Thrust	9.8N	
Communication Specification			
Transmission Standard	EIA Standard Based RS-422A		EIA Standard Based RS-485A
Transmission Method	Manchester Coded Modulation Transmission		NRZ Code Serial Communication
Band Rate	1Mbps		2.5Mbps
Number of Wires for Output Signals	14		4 (Other Spec 6)
Receiving Modem	RSA103 (Made by Mitsubishi Cable Industries, LTD.)		Custom Receiver LSI RAS101 for 4 axes RAS102 for 1 axis

*Ask our Sales Organization for Detailed Explanation.

External Dimension

