

Features

- Non-contacting magnetic technology
- Highly resistant to vibration/shock
- Highly resistant to fluid/dust ingress
- Programmable at factory for zero position
- Robust design for industrial applications
- Highly repeatable

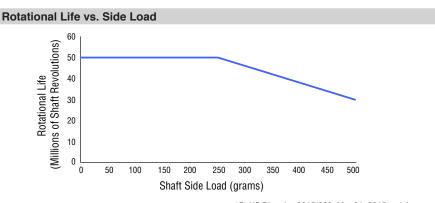
■ RoHS compliant*

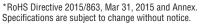
AMS22B Non-Contacting Analog Rotary Position Sensor

Electrical Characteristics ¹ (@ 2	25 °C)
Supply Current	
Environmental Characteristics	
Moisture Resistance	40 ° to +125 °C
Mechanical Characteristics (@	25 °C)
Shaft/RPM	
_	
•	000 00 (500 05)

¹At room ambient: +25 °C nominal and 50 % relative humidity nominal, except as noted.

Wash processes





260 °C (500 °F) max. for 5 seconds

.....Not recommended

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Product Dimensions

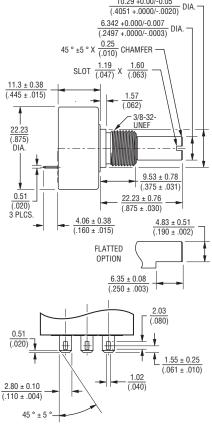
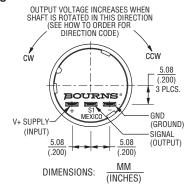
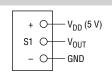


Figure 1



Schematic





 $^{^{\}rm 2}$ Other Effective Electrical Angles available. See How to Order selection guide.

Users should verify actual device performance in their specific applications.

Applications

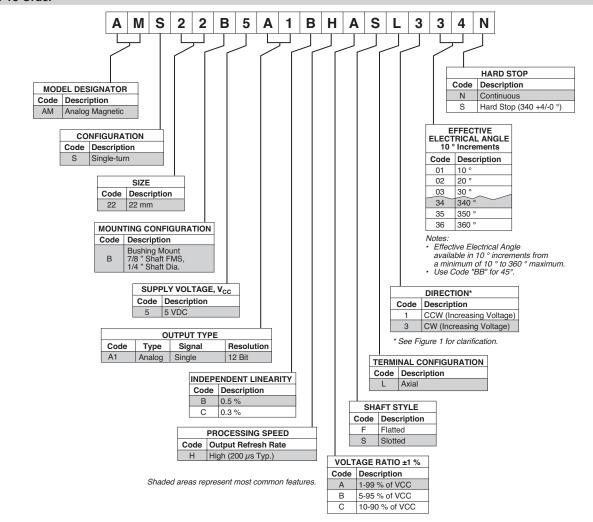
- Patient platform positioning feedback
- Pneumatic control valve position feedback
- Draw wire position sensors
- Remote communications antenna positioning
- Actuator motor position feedback
- Automated manufacturing robotics

- Tilt control and tilt positioning feedback
- Foot pedal, steering, lift-and-shuttle and suspension systems

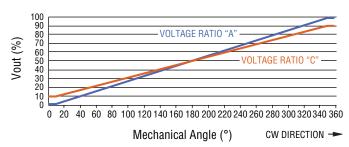
AMS22B Non-Contacting Analog Rotary Position Sensor

BOURNS

How To Order



Standard Output: 1-Turn CW Increasing (Code 334 Shown)



Resolution

Resolution		EEA	Resolution		EEA	Resolution		
114		130	1479		260	2958		
228		140	1593		270	3072		
341		150	1707		280	3186		
455		160	1820		290	3300		
512		170	1934		300	3413		
569		180	2048		310	3527		
683		190	2162		320	3641		
796		200	2276		330	3755		
910		210	2389		340	3868		
1024		220	2503		350	3982		
1138		230	2617		360	4096		
1252		240	2731					
1365		250	2844					
	114 228 341 455 512 569 683 796 910 1024 1138 1252	114 228 341 455 512 569 683 796 910 1024 1138 1252	114 130 140 150 140 150 160 160 170 170 170 170 170 170 170 170 170 17	114 130 1479 228 140 1593 341 150 1707 455 160 1820 512 170 1934 569 180 2048 683 190 2162 796 200 2276 910 210 2389 1024 220 2503 1138 230 2617 1252 240 2731	114 130 1479 228 140 1593 341 150 1707 455 160 1820 512 170 1934 569 180 2048 683 190 2162 796 200 2276 910 210 2389 1024 220 2503 1138 230 2617 1252 240 2731	114 130 1479 260 228 140 1593 270 341 150 1707 280 455 160 1820 290 512 170 1934 300 569 180 2048 310 683 190 2162 320 796 200 2276 330 910 210 2389 340 1024 220 2503 350 1138 230 2617 360 1252 240 2731		

REV. 06/20

Specifications are subject to change without notice.

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