

Model ENAB-35

3.5" (89mm) size Industry Encoder

12 bit Absolute Parallel Code

DAPS Technology

Heavy Duty Applications

Sealed Unit Available

RoHS Compliant

Preliminary



MODEL STYLES

Hollow Shaft	ENAB-35
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ELECTRICAL¹

Code Format	12 Bits Absolute GC or NB
Resolution (Counts Per Revolution)	4096
Count Accuracy	+/- 1/2 bit max.
Supplied Voltage	5 – 28 Vdc
Input / Output Circuit	5-28Vin/Vout (Vout = Vin) , 5-28V/5V, 28V/0Cout
Protection	Reverse Polarity, Over Voltage, Short Circuit
Current rating	100 mA max.
Frequency Range	100 kHz

MECHANICAL

Shaft Bore (Dia.)	.50", .625", .75", .875", 1.00"
Speed	Up to 6000 RPM
Torque	7 in. oz. Dual seal
Radial shaft load	40 lbs
Axial shaft load	35 lbs
Moment of Inertia	.025 in.-oz sec ²
Housing and Cover Material	Die Cast Aluminum
Shaft Material	Stainless Steel
Weight	1.2 lbs

ENVIRONMENTAL

Protection Rating	IP 65, IP 66- Shaft Sealed
Operating Temperature Range	-20°C to +75°C

¹ Specifications subject to change without notice.

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Vibration

5-2000 Hz, 20 Gs

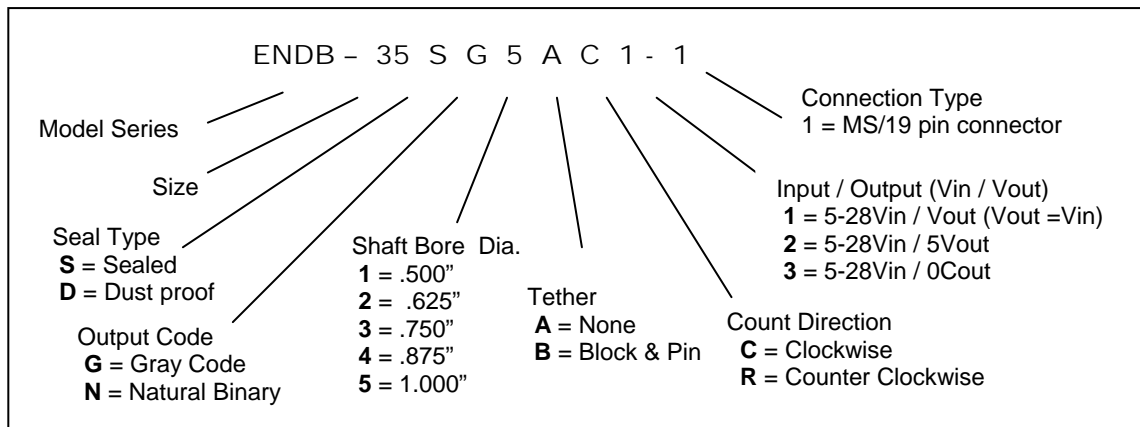
Shock

50 Gs, 11 mS duration

Humidity

98% Non-condensing

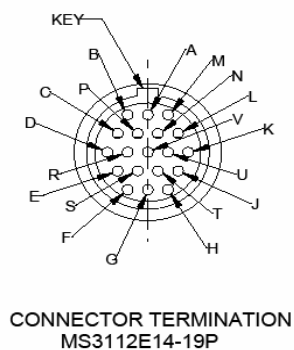
ORDERING INFORMATION²



Connection Types

MS3112E14-19P, 19 pin connector, mate with MS3116F14-19S

TERMINATION DIAGRAM



OUTPUT CODE / TERMINATION PARALLEL CODE		
M14/19 CONNECTOR	GRAY CODE	NATURAL BINARY
		12 BIT
A	G ₁₁	2 ¹¹
B	G ₁₀	2 ¹⁰
C	G ₉	2 ⁹
D	G ₈	2 ⁸
E	G ₇	2 ⁷
F	G ₆	2 ⁶
G	G ₅	2 ⁵
H	G ₄	2 ⁴
J	G ₃	2 ³
K	G ₂	2 ²
L	G ₁	2 ¹
M	G ₀	2 ⁰
N	N/C	N/C
P	N/C	N/C
R	N/C	N/C
S	CASE GROUND	CASE GROUND
T	CIRCUIT COMMON	CIRCUIT COMMON
U	N/C	N/C
V	+V SUPPLY VOLTAGE	+V SUPPLY VOLTAGE

² Contact our customer service for custom designs and features.

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OUTLINE DRAWING

