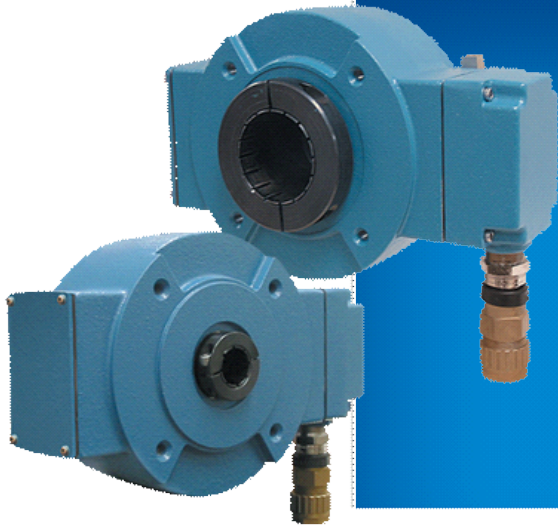


Avtron M6 Hazardous Area Encoders



Obsolete- Replaced by M6C Encoder

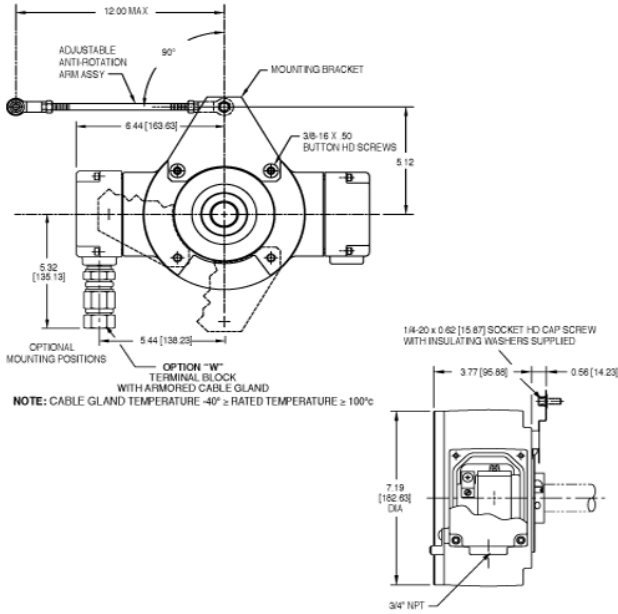
Obsolete- Replaced by M6C Encoder

M6

All Avtron M6 encoders are replaced by the [M6C model](#).

- M6 is directly replaced by the M6C model

OUTLINE DRAWING



MORE M6 ADVANTAGESM6 SPECIFICATIONS

- Obsolete-replaced by M6C
- 1 Year No-Hassle Warranty

Operating Power: 5-24 VDC; Current 120mA, no load

Output Format: A,A-, B,B-; Optional Marker Z,Z-

Frequency Range: 0 to 100 KHz

PPR: 240-1200

Speed:

- 5000 RPM Max. Std., 1" or 1 1/8" shaft

Temperature: 80°C to -40°C (-40°C optional, -20°C standard)

Chemical: Polyurethane enamel paint protects against salt spray, mild acids, and bases

Explosion Protection:

- ATEX 0539 II 2G
- Ex de IIC T4 (Tamb -20° to +80°C Standard, Tamb -40° to +80°C Optional)

Weight: 16 lbs./7kg.

All dimensions are in inches [millimeters]. Specifications and features are subject to change without notice.

Check out our website for more detailed specifications, drawings, and installation instructions. www.avtronencoders.com

SELECTION GUIDE

| M6 PART NUMBERS AND AVAILABLE OPTIONS | | | | | | | | |
|---------------------------------------|---|-----------------|--|--|-------------------------------|----------------------|---|--|
| Model | Bore Size | Mounting Style | Line Driver | Left & Right Output Range | Base PPR | Marker | Connector | Modifications |
| M6- | 0- Non-Standard 4- 1" 5- 1 1/8" 6- 2" (Not Available) 7- 2 3/8" (Not Available) | S- End of Shaft | 1- 5 to 24 VDC 2- 5 to 18 VDC 3- 12 to 24 VDC* | X- None L- Low Range (Base PPR x 1/2) M- Medium Range (Base PPR x 1) H- High Range (Base PPR x 2) | 48- 480 51- 512 60- 600 | Z- Marker -- None | T- Conduit Box, Terminal Block, 3/4" NPT W- Conduit Box, Terminal Block and Wire Gland | 000- None 001- Low Temp (-40°C) 003- Torque Arm B28390 005- Low Temp (-40°C) & Torque Arm |

* Units shipped prior to 2009 were rated 18 to 24 volts. Refer to ID tag on the encoder for specific input voltage requirements.

Nidec

**AVTRON
ENCODERS**

Nidec-Avtron Makes the Most Reliable Encoders in the World

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CE

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