

0160 • 0161 DIGISPEC PROXIMITY/ZERO SPEED H SENSOR SINGLE & DUAL OUTPUT MAGNET ACTUATED 5/8, M16

PRODUCT DESCRIPTION

SPECTEC's Proximity/Zero Speed position sensor are designed to switch in the presence of a low magnetic field. Bi-polar (north and south polar activation is standard. Uni-polar and omni-polar activation is also available for higher pulse resolution. Various output options are available and provided to suit all interface requirements.

A robust universal sink/source NPN/PNP low independence rail-torail output protection is also available. The sensor is reverse polarity protected.

For intrinsically safe versions refer to bulletins: IS160 & IS161

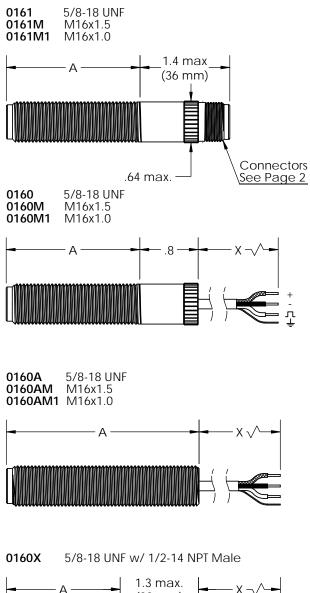
SPECIFICATIONS

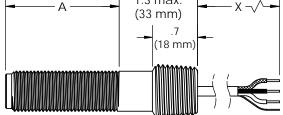
Orientation:	the rotati synchron	For directional applications, ment mark must be in line with ion of the target. For ous output, the alignment mark e at a right angle to the rotation
Vs, Supply Voltage:	4.5 to 30 Vdc @ ≤ 18 mA Reverse Polarity Protected 10-36 Vdc for Universal sink/source output	
Vo, Signal Out:	Output signal is typically 'Normally High', except for PNP output which is "Normally Low' See note on Page 2 for more information	
Operating Freq.:	High Spe	l: 0 to 20 kHz ision position applications) ed: 0 to 100 kHz speeds only)
Air Gap:	≤ .160″ typical ≤ 1″ using extra strong 5 kG magnets	
Rise/Fall Time:	0.10 µs to 2 µs *Dependent of configuration	
Temperature Range:	2TE: -40° to 221°F (-40° to 105°C) *may be reduced based on configuration 3TE: -40° to 302°F (-40° to 150°C) *may be reduced based on configuration	
Construction:	300 series stainless steel housing Solid epoxy encapsulation	
Connectors & Pin Assignments:	See Page 2 All have gold plated contacts	
Lead Wire Assignments:	Red: Black: White: Green: Bare:	Supply (+) Common (-) Signal A Signal B (dual sensor only) Shield: not connector to sensor shell, ground at termination.
CE Compliance		

CE-Compliance: EN55011, EN50082-2

OPTIONS

Custom configurations, thread sizes, special materials of construction, temperature probe (NTC10, RTD100, or others). For directional sensing, a dual sensor can be used with P/N 4033.





0160Y 5/8-18 UNF w/ 1/2-14 NPT Female

