



**canfield
connector**

7HL SERIES
HAZARDOUS LOCATION MAGNETIC
PROXIMITY SENSORS
FOR TIE ROD CYLINDERS

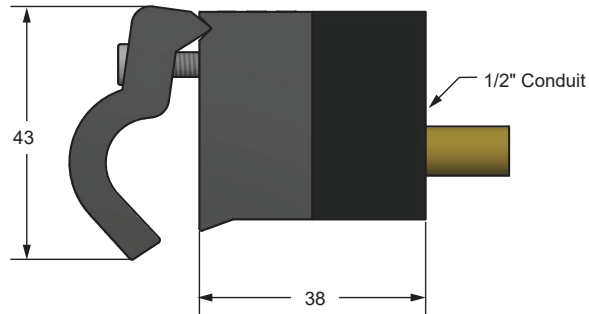
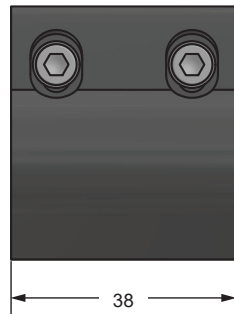
GENERAL DESCRIPTION

The Canfield Connector 7HL is a rugged magnetic proximity sensor designed to sense actuator position in stringent, hazardous location applications. The switch features a robust, epoxy-filled, aircraft aluminum body, and has a vibration and shock resistant, electronic circuit. The 7HL is an expansion of the popular Series 7000 "floating" clamp design and will clamp on 2 to 8 inch bore NFPA tie rod linear actuators. This product is designed to operate in hazardous locations, this switch is CSA approved for Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; and Class III.



DIMENSIONAL DATA

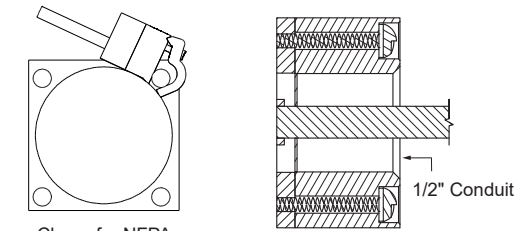
All dimensions are in millimeters unless otherwise noted.



TECHNICAL DATA

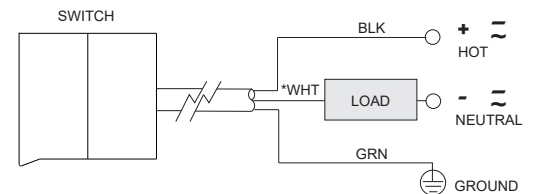
Switch Type	S.P.S.T., Normally Open, Reed
Operating Voltage	0-120 V AC/DC 50/60 Hz
Load Max.	10W, Resistive only
Current Max.	0.5A
Response Time	On: 0.5ms Off: 0.1ms
Sensitivity / Orientation	85 Gauss Parallel (measured from sensor surface)
Shock	Up to 30G (11mS)
Vibration	Up to 20G (10-55 Hz)
Materials	Cable: PVC House: Anodized 6061-T6 Aluminum, Epoxy encapsulated printed circuit board
Temperature	Code: T6 Range: -20° to +80°C
Environmental Protection	Designed for NEMA 1, 4 and 13
Hazardous Location Rating	CSA: Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; and Class III
Cable Diameter	.310mm
Wire Gauge	SJTOW type, 18 AWG standard
Wire Length	9 Ft. standard

MOUNTING INSTALLATION

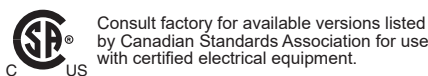


Clamp for NFPA tie-rod cylinders Universal 2" to 6" bore.

ELECTRICAL INSTALLATION



*White wire must be permanently reidentified to indicate its use as an ungrounded conductor, by painting or other effective means at its termination, and each location where the conductor is visible and accessible. Per NEC Article (200.7)



ORDERING INFORMATION

7HL10-000-001