

**canfield
connector**

8000 SERIES

REED & ELECTRONIC SENSORS
FOR ROUND, TIE-ROD, OR
EXTRUDED CYLINDERS

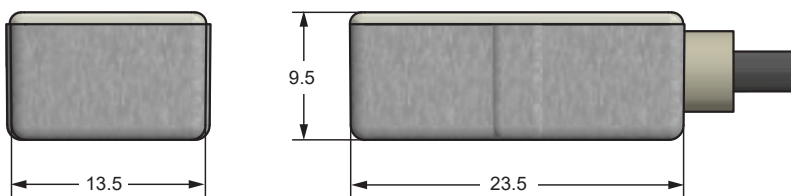
GENERAL DESCRIPTION

The Canfield Connector 8000 Series Reed and Electronic sensors are compact units designed for sensing applications on round cylinders from 9/16" - 4" and tie-rod pneumatic cylinders from 3/4" - 8" bore. These sensors offer a wide voltage range from 0-120 VAC/VDC 50/60 Hz and high current capacity up to 0.5 Amps. They include high intensity indicator lights and a wide viewing angle. The sensor's small package can fit easily on the smallest cylinder without appearing too large. The Series 8000's design promotes ease of installation with a tight fit. Options include 9ft. PVC, the 8mm quick connect male pigtail, or the Dual Sensors with 12mm quick connect male pigtail.



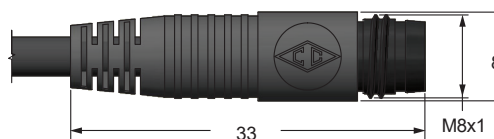
DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

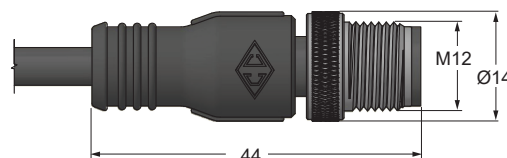


CONNECTION OPTION

8mm

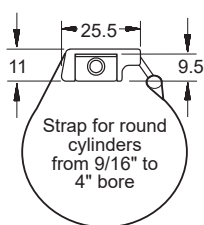


12mm

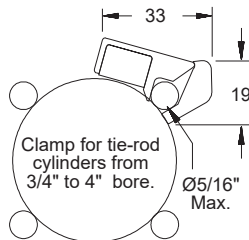


MOUNTING / CLAMP STYLES

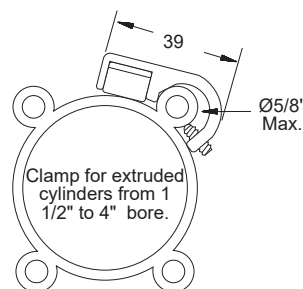
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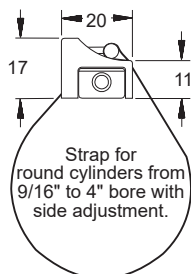
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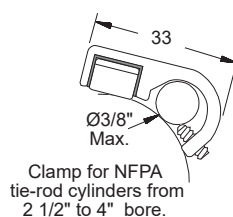
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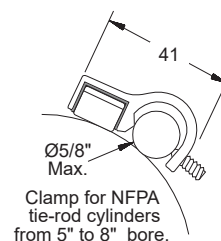
STYLE: A



STYLE: B



STYLE: C

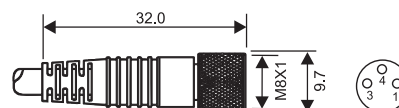


TECHNICAL DATA

Switch Type / Tech. Specs.	See Ordering Information [†]
Sensitivity / Orientation	Reed / Electronic: 85 Gauss Parallel (measured from sensor surface)
Shock	Up to 30G (11ms) Reed Only (not applicable for electronics)
Vibration	Up to 20G (10-55 Hz) Reed only
Materials	Cable: PVC House: PA
Temperature Range	-20° to +80°C
Environmental Protection	Designed for IP 65 / NEMA 4, IP 67 / NEMA 6 available on request
Cable Diameter	3.7mm
Wire Gauge	24 AWG standard

(ADDITIONAL) MATING CORDSETS / PIN CONFIGURATION

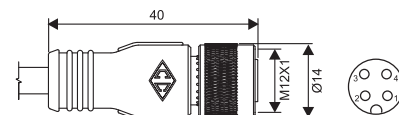
8mm female molded locking connector



Brown = Pin 1
Blue = Pin 3
Black = Pin 4

Order P/N:
RC08-AFM030-0120C10A (2m length)
RC08-AFM030-0150C10A (5m length)

12mm female molded locking connector



Brown = Pin 1
White = Pin 2
Blue = Pin 3
Black = Pin 4

Order P/N:
RC12-AFM040-0120C10A (2m length)
RC12-AFM040-0150C10A (5m length)

ORDERING INFORMATION

Mounting / Clamp Styles

- 0 - Universal round cylinder clamp
- 1 - No clamp
- 2 - Universal tie-rod clamp
- 3 - Extruded cylinder clamp
- A - Side adjust round cylinder clamp
- B - NFPA 2 1/2" - 4" tie-rod cylinder clamp
- C - NFPA 5" - 8" tie-rod cylinder clamp

Connection Options

- 0 - 9 ft PVC cable
- 1 - 8mm quick connect male pigtail*
- 8 - Dual Sensors w/12mm quick connect male pigtail*

*Mates with cordsets shown above

8 1 0 - 0 0 -

Switch Type [†]	Description	Function	Switching Voltage	Switching Current	Switching Power	Voltage Drop	Magnetic Sensitivity
01	Reed Switch	Normally Open SPST	0 - 120V AC/DC	0.5 Amps Max.	10 watts Max.	0 Volts	85 Ga.
02	Reed Switch & Red LED	Normally Open SPST	5 - 120V AC/DC	0.025 Amps Max. 0.001 Amps Min.	3 watts Max.	6.0 Volts	85 Ga.
04	Reed Switch, Red LED & MOV	Normally Open SPST	5 - 120V AC/DC	0.5 Amps Max. 0.005 Amps Min.	10 watts Max.	3.0 Volts	85 Ga.
31	Electronic for Reed Magnet, Red LED & Sourcing	Normally Open PNP	6 - 24 VDC	0.3 Amps Max.	7.2 watts Max.	.5 Volts	85 Ga.
32	Electronic for Reed Magnet, Red LED & Sinking	Normally Open NPN	6 - 24 VDC	0.3 Amps Max.	7.2 watts Max.	.5 Volts	85 Ga.



Consult factory for available versions listed by Canadian Standards Association for use with certified electrical equipment.

Ordering Example: 810-000-002

Universal round cylinder clamp, 9ft PVC cable, reed switch with LED, SPST, normally open, 5 - 120V AC/DC