

canfield connector
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8000 SERIES

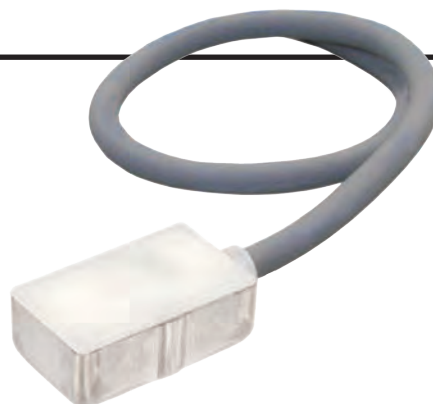
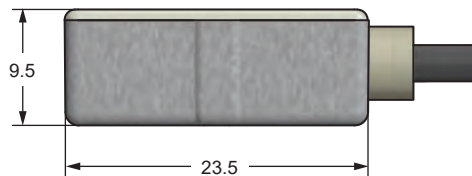
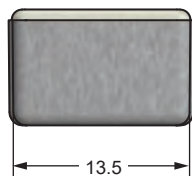
REED & ELECTRONIC SENSORS FOR ROUND, TIE-ROD, OR EXTRUDED CYLINDERS

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 or 8mm quick connect male pigtail.

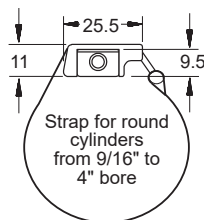
Dimensional Data

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

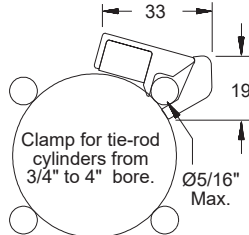


Mounting / Clamp Styles

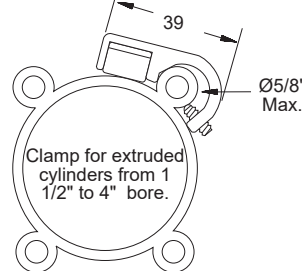
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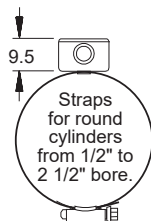
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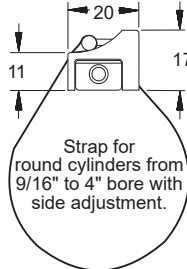
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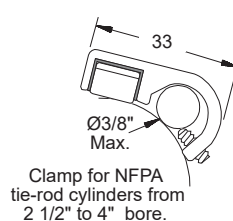
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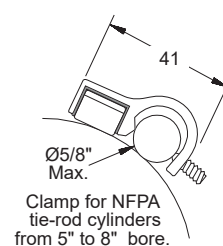
STYLE: A



STYLE: B



STYLE: C



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

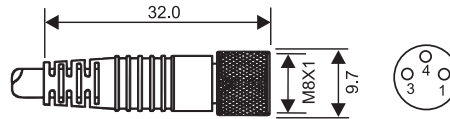
A56-1364 Rev.06

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

Mating Cordsets / Pin Configuration

8mm female molded locking connectors



Order part number

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

RC08S-F0M030120 (2m length)
RC08S-F0M030150 (5m length)

Ordering Information

Mounting / Clamp Styles

0 - Universal round cylinder clamp
1 - No clamp
2 - Universal tie-rod clamp
3 - Extruded cylinder clamp
5 - Clamp loop / no clamp***
6 - Clamp loop / 1/2" - 3/4" clamp
7 - Clamp loop / 1" - 1 1/2" clamp
8 - Clamp loop / 1 1/2" - 2" clamp
9 - Clamp loop / 2" - 2 1/2" 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
***Uses 5/16" wide band clamp

Connection Options

0 - 9 ft PVC cable
1 - 8mm 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.

Ordering Example: 810-000-002

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