

**canfield connector**  
8510 Foxwood Court  
Youngstown, Ohio 44514  
(330) 758-8299 Fax: (330) 758-8912  
www.canfieldconnector.com

## SERIES CS

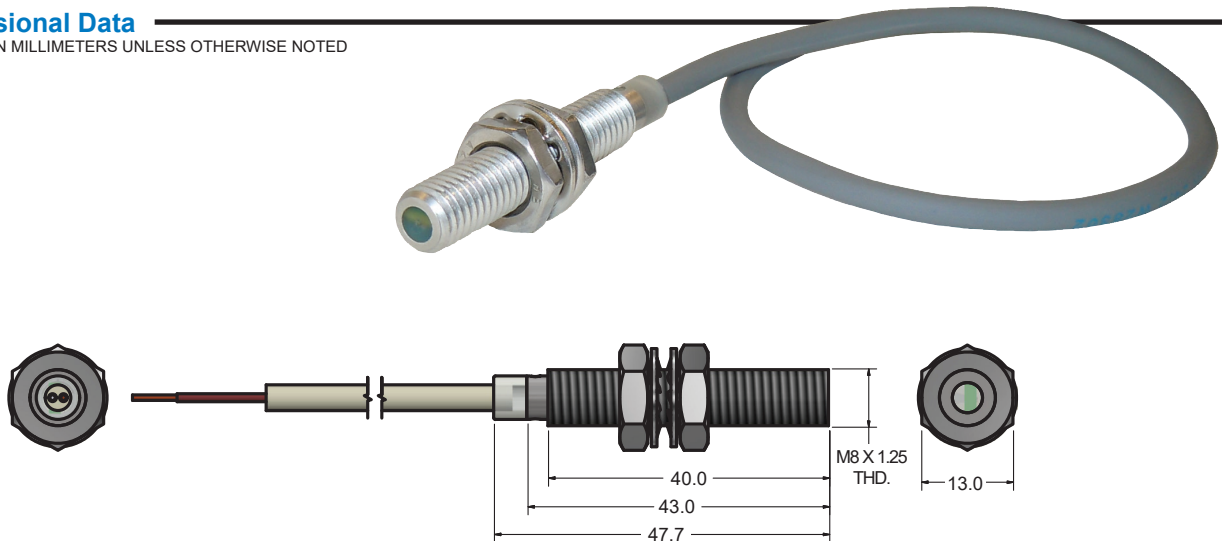
## ALL THREADED MAGNETIC SENSORS FOR UNIVERSAL APPLICATIONS

### General Description

The Canfield Connector Series CS Cylindrical Threaded Mount Sensor is a rugged and compact magnetic sensor set within a miniature encapsulated Stainless Steel M8 threaded housing. Available in reed or electronic sensing, the CS sensor can sense magnets or magnetic objects in industrial machinery and mobile equipment. Typically used where greater sensing distance is required, the CS sensor changes state in the presence of a magnetic field. Electrical output for the CS is normally open, with sinking or sourcing outputs for the electronic versions. Input voltages available are 0 to 120 VAC/DC .5 Amp maximum for the reed and 5-24 VDC 0.2 Amp maximum for the electronic versions. The sensor is made of a Stainless Steel body, TPU encapsulant and has PVC wire standard and is NEMA 6. Temperature ranges are -20° to 80°C. The CS Series is proudly made in the U.S.A.

### Dimensional Data

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED



### Features

- Vibration and shock resistant
- Wash down compatible
- Stainless steel M8 male threaded body
- Both reed and electronic magnet sensing
- Impervious to dirt
- NEMA 6

## Technical Data

<b>Environmental Protection</b>	IP 67 AND NEMA 6
<b>Materials</b>	Cable: PVC House: 300 Series Stainless Steel, TPU
<b>Sensitivity and Orientation</b> (Measured from Sensor Surface)	Electronic: 25 Gauss Parallel Reed: 85 Gauss Parallel
<b>Shock</b>	up to 30G (11 mS) Reed Only
<b>Switch Type</b>	See Ordering Guide
<b>Temperature Range</b>	-25° to +80°C
<b>Vibration</b>	Up to 20G (10-55 Hz) Reed Only

## Ordering Information

CSM0810 -    - 0

### Connection Options

- 0 - 9 ft PVC cable
- 3 - 8mm quick connect male pigtail\*
- 5 - 12mm quick connect male pigtail\*

\*Mates with cordsets shown below.

### Special Packaging

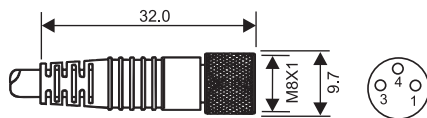
- A - Bulk
- G - Individually Bagged

Type	Description	Function	Switching Voltage	Switching Current	Switching Power	Switching Speed	Voltage Drop	Magnetic Sensitivity
01	Reed Switch	Normally Open	0 - 120V AC/DC 50/60 Hz	0.5 Amps Max.	5 Watts Max.	0.4 ms operate 0.1 ms release	0 Volts	85 Ga.
31	Electronic for Reed Magnet, No LED & Sourcing	Normally Open (PNP)	5 - 24 VDC	0.2 Amps Max.	4.8 Watts Max.	4 µs operate 4 µs release	1.0 Volts	25 Ga.
32	Electronic for Reed Magnet, No LED & Sinking	Normally Open (NPN)	5 - 24 VDC	0.2 Amps Max.	4.8 Watts Max.	4 µs operate 4 µs release	1.0 Volts	25 Ga.

## Mating Cordsets

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

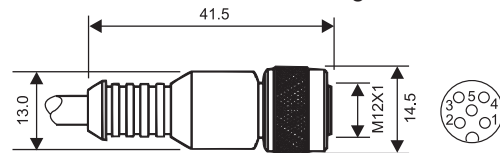
### 8mm female molded locking connectors



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

Order part number  
RC08S-F0M030120 (2m length)  
RC08S-F0M030150 (5m length)

### 12mm female molded locking connector



Brown = Pin 1  
Blue = Pin 3  
Black = Pin 4  
N/C = Pin 2  
N/C = Pin 5

Order part number  
RC12S-F0M030120 (2m length)  
RC12S-F0M030150 (5m length)

### Ordering Example:

CSM0810-001-0A

9 ft. PVC cable, Reed Switch, Normally Open,  
0-120V AC/DC 50/60 Hz, Bulk Packaged.