

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

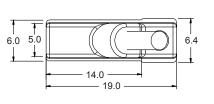
## SERIES 9F

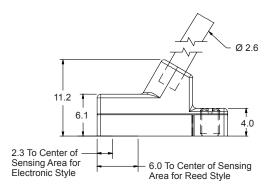
## REED & ELECTRONIC SENSORS FOR UNIVERSAL APPLICATIONS 4mm "T" SLOT

#### **General Description**

The Canfield Connector Series 9F is a universal, ultra-small, magnetic proximity switch available in both solid state electronic and reed styles. These sensors are designed to fit the most stringent space requirements by using a 4mm "T" slot. The electronic sensor exhibits greater sensitivity to magnetism with reduced dead-band and hysteresis as compared to competitive devices. The reed sensor offers a wide operating voltage range. The molded switch has an on board indicator light that can be viewed from wide angles. Standard connection to the sensor is provided by a 9 ft. PVC or 8mm quick connect male pigtail. The rugged, fully encapsulated switch is shipped with mounting hardware ready for installation.

# Dimensional Data ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED







#### Technical Data

- Material: Nylon, TPU and PVC
- Temperature Range: Operational from -20° to +80°C
- Shock: Operational up to 30G (11 ms.) reeds only. Not applicable for electronic.
- Vibration: Operational up to 20G (10 55 Hz) reeds only. Not applicable for electronic.
- Sensitivity and Orientation: 85 gauss parallel
  (ctandard for room)
  - (standard for reeds) 25 gauss parallel (standard for electronic)

#### Features -

- Small sensor fits most space requirements.
- Stand-alone mounting into any 4mm "T" slot (machined or extruded)
- Indicator light
- Corrosion and washdown resistant.
- · Electronic sensing version (no moving parts)
- 60° wire outlet for close mounting
- Reverse polarity protection
- · Compatible with IS (Intrinsically Safe) barriers
- · High temperature versions available

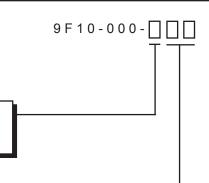
### **Ordering Information**

**Connection Options** 

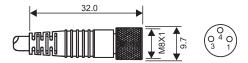
3 - 8mm quick connect male pigtail\*

\*Mates with cordsets shown at right.

0 - 9 ft PVC cable



Mating Cordsets 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)

Туре	Description	Function	Switching Voltage	Switching Current	Switching Power	Switching Speed	Voltage Drop	Magnetic Sensitivity
01	Reed Switch	Normally Open SPST	0 - 120V AC/DC 50/60 Hz	0.25 Amps Max.	5 watts Max.	0.4 ms operate 0.1 ms release	0 Volts	85 Ga.
02	Reed Switch for PLC's, LED (current limiting)	Normally Open SPST	5 - 120V AC/DC 50/60 Hz	0.03 Amps Max. 0.001 Amps Min.	4 watts Max.	0.4 ms operate 0.1 ms release	3.5 Volts @ 5mA	85 Ga.
31	Electronic for Reed Magnet, LED & Sourcing	Normally Open PNP	5 - 28 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, LED & Sinking	Normally Open NPN	5 - 28 VDC	0.2 Amps Max.	4.8 watts Max.	4 µs operate 4 µs release	1.0 Volts	25 Ga.

#### Ordering Example:

9F10-000-002

9 ft. PVC cable, reed switch for PLC's with LED, SPST, normally open, 5 - 120V AC/DC 50/60 Hz