

canfield connector

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

SERIES 9Q

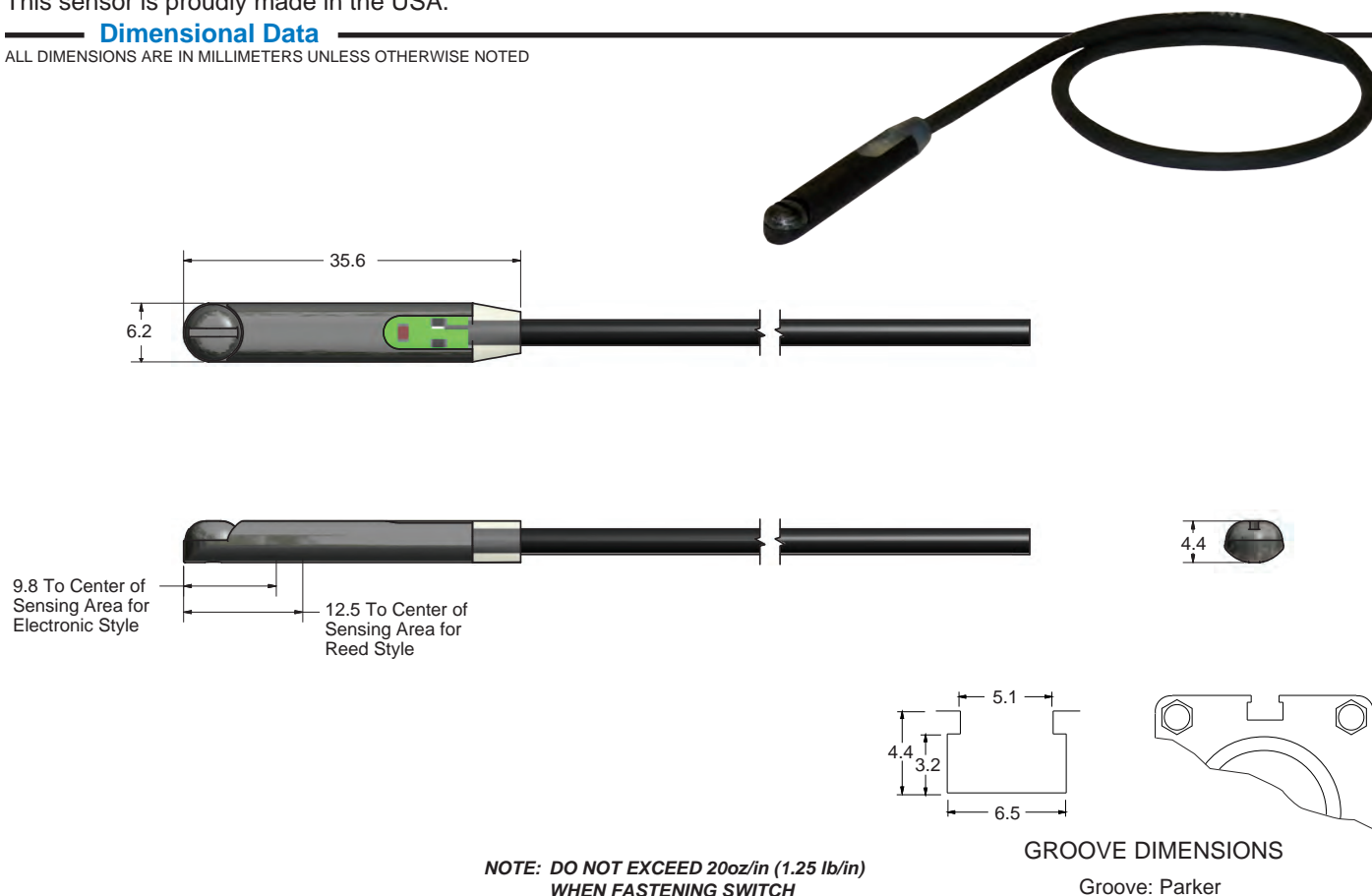
REED & ELECTRONIC SENSORS FOR UNIVERSAL "T" SLOT APPLICATIONS

General Description

The Canfield Connector Series 9Q is a magnetic proximity switch that is engineered to fit into extruded actuators that are made with a "T" slot. The unique design of the 9Q enables it to be installed anywhere along the slot and assembled in place without taking off the actuator end-cap. The rugged polyurethane encapsulated switch features an innovative design that incorporates a hard nylon shell. The switches are available in reed or electronic sensing and feature surge suppression and on board indicator light standard. Offered as a flying lead or 8mm quick connect, the sensors are quickly and easily wired in to any application. The sensors meet NEMA 6 / IP67 environmental specifications and are corrosion and wash-down compatible. This sensor is proudly made in the USA.

Dimensional Data

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED



Technical Data

- 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.
- Most versions designed to meet NEMA 6 / IP67 specifications
- Sensitivity and Orientation: 85 gauss parallel (standard for reeds)
25 gauss parallel (standard for electronic)

Features

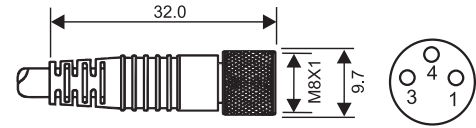
- Small sensor fits most space requirements.
- Indicator light
- Corrosion and washdown resistance.
- Electronic sensing version (no moving parts)
- Reverse polarity protection
- DC or AC voltage versions
- Compatible with IS (Intrinsically Safe) barriers
- Molded construction for wet environment (NEMA 6)

Ordering Information

9 Q 1 0 - 0 0 0 -

Mating Cordsets

8mm female molded locking connectors



(for sensor types 01, 02, 31, 32)

Connection Options

0 - 9 ft PVC cable

3 - 8mm quick connect male pigtail*

*Mates with cordsets shown at right.

Brown = Pin 1

Blue = Pin 3

Black = Pin 4

Order part number

RC08S-F0M030120 (2m length)

RC08S-F0M030150 (5m length)

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	0.25 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)	SPST Normally Open	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 μ s operate 4 μ s 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 μ s operate 4 μ s release	1.0 Volts	25 Ga.

Ordering Example:

9Q10-000-002

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