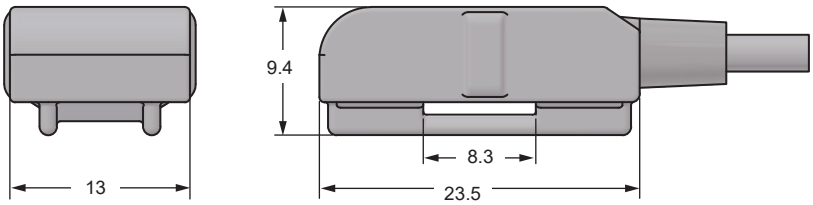
GENERAL DESCRIPTION

Canfield Connector's 8A Series features a modern, cost-effective mounting design for both round and tie-rod pneumatic cylinders. The fully encapsulated housing utilizes integrated "sponsons" for round cylinder mounting, in which the band clamp is installed under the sensor eliminating body stress while ensuring a firm grip. Its unique installation method removes physical stress from the sensor body, ensuring long-term reliability. For tie-rod applications, a standard clamp secures the sensor from above. Supporting 9/16" to 4" round bores and 3/4" to 8" tie-rod bores, the 8A Series offers a broad 0-120 VAC/VDC voltage range and 0.5 Amp capacity. This compact unit includes a high-intensity, wide-angle indicator light for easy status monitoring and is proudly made in the U.S.A.



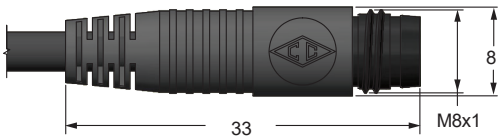
DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

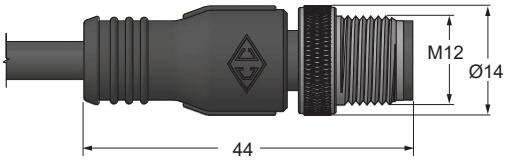


CONNECTION OPTION

8mm

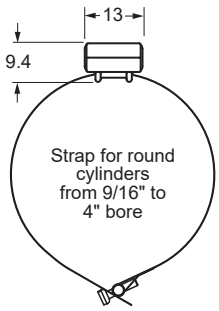


12mm

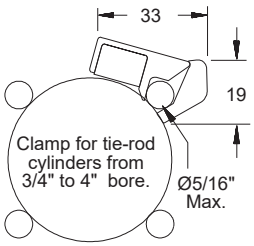


MOUNTING / CLAMP STYLES

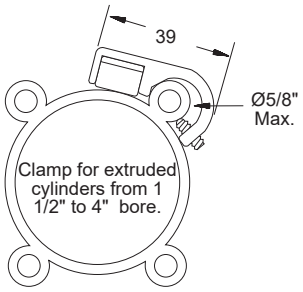
STYLE: 0



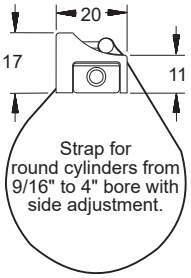
STYLE: 2



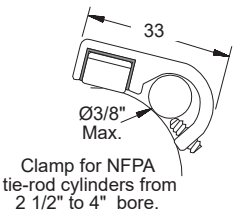
STYLE: 3



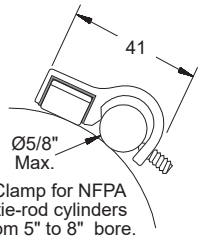
STYLE: A



STYLE: B



STYLE: C

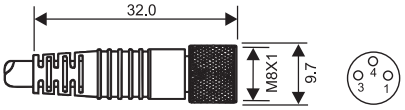


TECHNICAL DATA

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	2.7mm
Wire Gauge	26 AWG standard

(ADDITIONAL) MATING CORDSETS / PIN CONFIGURATION

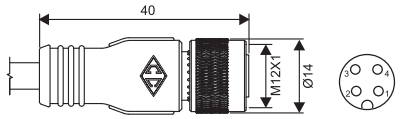
8mm female molded locking connector



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

8A10-□00-□□

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*

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: 8A10-600-002

Low-profile round cylinder clamp, 9ft PVC cable,
reed switch with LED, N.O. SPST, 5 - 120V AC/DC