

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

5FFAC SERIES

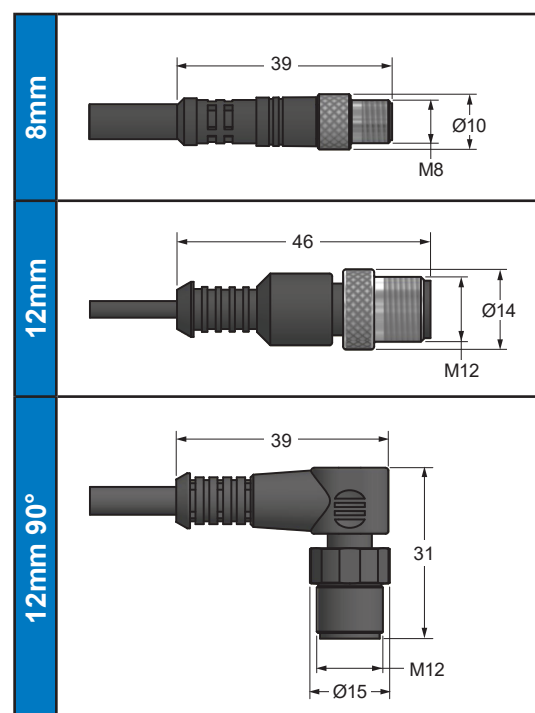
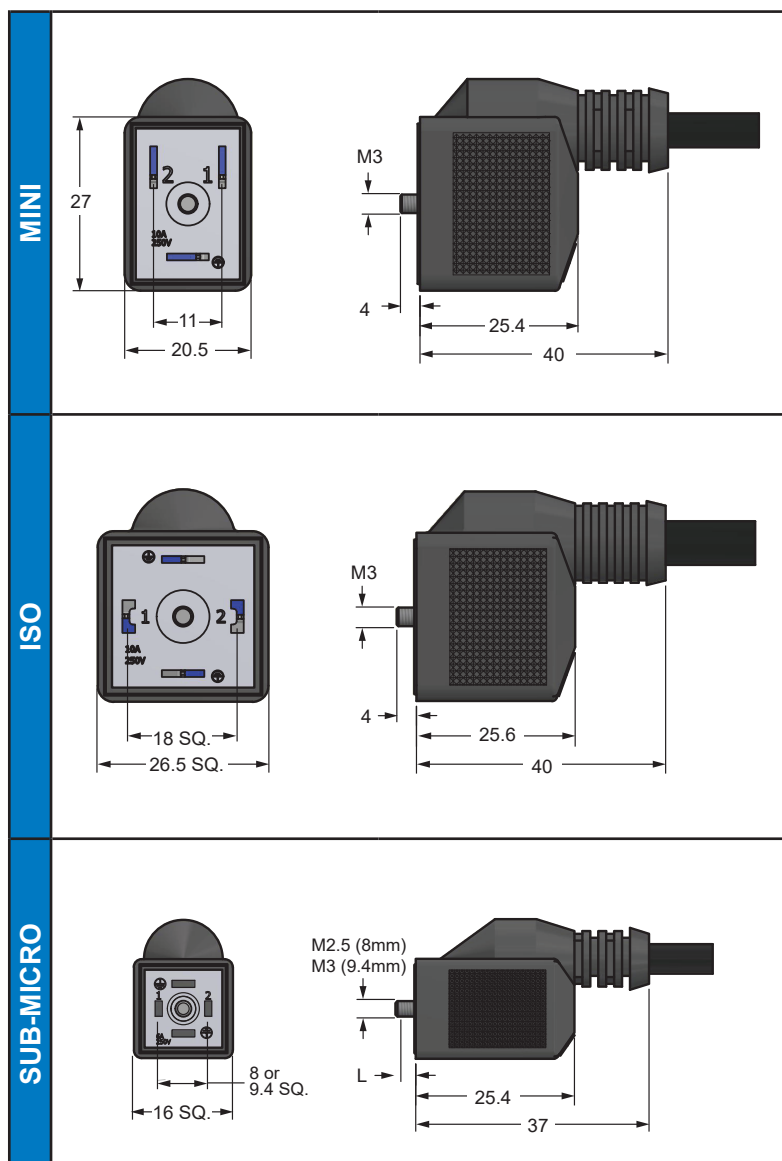
FIELD BUS ADAPTER SOLENOID VALVE CONNECTORS

General Description

The Canfield Connector 5FFAC Series all-molded DIN solenoid valve connector/gasket/cord offer a completely molded plug and play design that interfaces female ISO DIN Style "A" EN175301-803 (Formerly DIN 43650), MINI and 9.4mm (Industry Standard) and 8mm Sub-Micro (DIN 43650 "C") solenoid connections to 8mm or 12mm (round) circular connectors as shown on the following pages. Made from rugged yet flexible polyurethane, the connector housing boasts high durability factors and application versatility. The low profile "straight line" interface/cord configuration allows for installation in many limited space applications. The integrated gasket design boasts an IP67/NEMA 6 rating, is far better for environmental integrity than field wire versions and makes it impossible to lose the gasket! The 5FFAC and 5JFAC are the only molded valve connectors in the industry that feature bi-directional indicator lights and load suppression (not intended for UL 1449). The 5FFAC Series is proudly made in the U.S.A.

Dimensional Data

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED



Technical Data

Current Max.	Continuous: 4 Amps Inrush: 10 Amps for 15 ms
Voltage Max.	120 V AC/DC 50/60 Hz
Voltage Drop	2.2 Volts Max.
Materials	Enclosure: Polyurethane (Black or Translucent) Gasket: Polyurethane
Temperature Range	-25° to +80°C
Environmental Protection	IP 67 AND NEMA 6, Dust tight and water resistant
Cable Type	Pressure extruded PVC jacket or PUR with & without shield (Others available on request)
Size	ISO: 18mm pin spacing - DIN Style "A" EN175301-803 MINI: 11mm pin spacing - Industry Standard Sub-Micro: 8mm pin spacing - DIN Style "C" EN 175301-803 Sub-Micro: 9.4mm pin spacing - Industry Standard
Number of Contacts	2+ ground

NOTE: Slight discoloration may occur to translucent material after prolonged exposure to UV rays.

NOTE: When using MAC Valves with MINI and 9.4mm Sub-Micro, consult our factory.

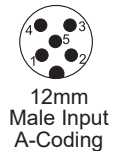
Wiring Information

TERMINAL CONFIGURATION		
Wire Type	EUR	US / HU
Chassis Ground	YEL & GRN	GRN
(+) Pos. / Hot Pin 1	BRN	BLK
(-) Neg. / Neut. Pin 2	BLU	WHT
Signal Pin 3	BLK	RED

Circuit Types

	0-120V AC/DC	6-24V DC	6-120V AC/DC
3-4 Pin			
5 Pin			

Pin Configuration



Ordering Guide

All connectors come standard with integrated gasket and screw.

Connector Type
3 - 8mm SM
4 - 9.4mm SM
5 - MINI
6 - ISO

Wire Length
U - 2 Meter
X - 5 Meter
Additional wire lengths available

Operating Voltage
0 - No light, no suppression*
2 - 6-24V AC/DC 50/60 Hz
5 - 48-120V AC/DC 50/60Hz
A - 6-24VDC (Diode only)
* Rated 120V AC/DC 50/60Hz

Suppression Type
0 - No light, no suppression*
1 - Diode (DC only)
5 - Metal Oxide Varistor (MOV)
* Rated 120V AC/DC 50/60Hz

5 F F A C - ☐ ☐ 0 - ☐ ☐ ☐ - ☐ ☐ ☐

Packaging Code
A - Bulk
G - Individual bagged
L - Bulk MAC screw
N - Individual bagged MAC screw
MAC is the registered trademark of MAC Valves, Inc.

Wire / Circuit Type	Coding
0 - M12 3 Pin male Straight	A
1 - M12 3 Pin male 90°	A
2 - M12 4 Pin male Straight	A
3 - M12 4 Pin male 90°	A
4 - M12 5 Pin male Straight	A
5 - M12 5 Pin male 90°	A
6 - M8 3 Pin male Straight	A

Wire Type
0 - PVC
1 - PUR

Ordering Example: 5FFAC-3U0-250-2A

8mm SM, 2 meter wire length, 6-24V AC/DC 50/60 Hz, lighted, MOV, PVC wire type, M12, 4 pin, male, Straight, Bulk