

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

SERIES 5J

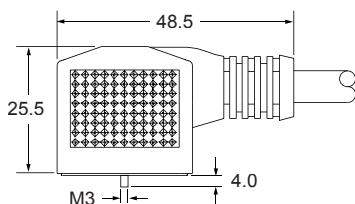
LIGHTED AND SURGE SUPPRESSED MOLDED MINI, ISO AND SUB-MICRO SOLENOID VALVE CONNECTORS

General Description

The Canfield Series 5J all-molded DIN solenoid valve connector/gasket/cord assembly offers a completely molded design that is far better for environmental integrity than field wire versions. Made from rugged yet flexible polyurethane, the connector housing boasts high durability factors and application versatility. The low profile "90°" interface/cord configuration allows for installation in many limited space applications. The integrated gasket design boasts an IP67/NEMA 6 rating and makes it impossible to lose the gasket! The 5J and 5F are the only molded valve connectors in the industry that feature a HARD USAGE cord as a standard option in any length required, bi-directional indicator lights, and internal surge suppression in various versions. UL and CSA versions are available as well. The Series 5J is **Proudly Made in the U.S.A.**

Dimensional Data

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED



(MINI / ISO)



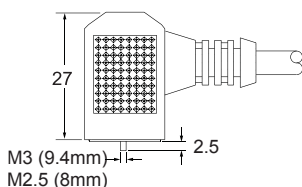
ISO
DIN 43650 Form "A"

Note: ISO connector available in 3+ Ground

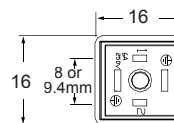
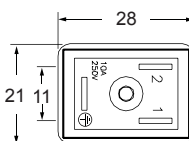
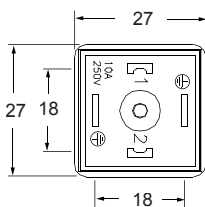
Standard
MINI

SUB-MICRO
DIN 43650 Form "C" = 8mm
Standard = 9.4mm

Note: SUB-MICRO connector available in 3+ Ground



(SUB-MICRO)



Consult factory for available versions recognized under the Component Program of Underwriters Laboratories, Inc.



Consult factory for available versions listed by Canadian Standards Association for use with certified electrical equipment.

Technical Data

- Cable outlet: Molded construction with wire exiting out parallel to the face of the coil
- Color: Black (standard) or white translucent (for lighted versions)
- Available in no circuit, lighted, suppressed, lighted and surge suppressed version for all sizes
- Cable conductor colors:
 - European color code: Brown, blue, and yellow/green, (with 4th conductor version black)
 - US color code: White, black, and green, (with 4th conductor version red)
 - Specials on request
- Cable types: Pressure extruded PVC jacket
 Hard Usage cordage
 "S" type with STO standard PVC jacket (ISO and Mini only)
- Cross section of conductor wire: 18 Gauge standard (ISO and Mini)
 20 Gauge standard (Sub-Micro)
- Rated voltage max.: 250V AC 50/60 Hz, 300V DC
- Rated current max.: 10 Amps (ISO and Mini), 6 Amps (Sub-Micro)
- Enclosure and molded in gasket materials: Polyurethane
- Ambient rated temperatures: -25° to 80°C
- Environment protection: IP 67 and NEMA 6, dust tight and water resistant
- Available in four sizes:
 - DIN 43650 Form "A" (ISO), EN175301-803:2000
 - DIN Form "C" (Sub-Micro 8mm), EN175301-803:2000
 - Industry standard (Sub-Micro 9.4mm pin spacing)
 - Industry standard (Mini 11mm pin spacing)
- Pin configurations:
 - For single solenoid valves - 2 connections plus ground – Mini, ISO, Sub-Micro 8mm and Sub-Micro 9.4mm
 - For Pressure switches, double solenoid valves and other devices - 3 connections plus ground – ISO, Sub Micro 8mm and Sub-Micro 9.4mm

Ordering Information

Wiring Information

5 J - -

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

Wire Length
 6 - 6 ft cord
 F - 15 ft cord
 For additional Wire Lengths, consult factory.

Contacts
 0 - 2+Ground Down (MINI only)
 1 - 2+Ground Up (MINI only)
 2 - 3+Ground Down
 3 - 3+Ground Up
 4 - 2+Dual Ground (ISO/8mm/9.4mm only)

Operating Voltage
 0 - No light, no suppression***
 2 - 6-24V AC/DC 50/60 Hz
 5 - 48-120V AC/DC 50/60Hz
 8 - 208-240V AC 50/60Hz
 A - 6-24VDC

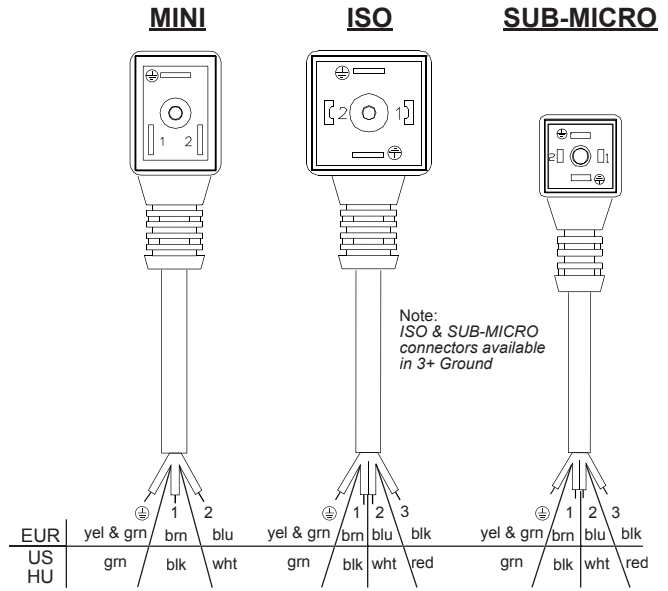
Suppression Type
 0 - None
 1 - Diode (DC only)
 5 - Metal Oxide Varistor (MOV)**

Lighting Option
 0 - Unlighted
 1 - Lighted**

Wire Option
 US - U.S.A. wire code / PVC jacket
 EU - European wire code / PVC jacket
 HU - Hard Usage / STO jacket (MINI & ISO only)

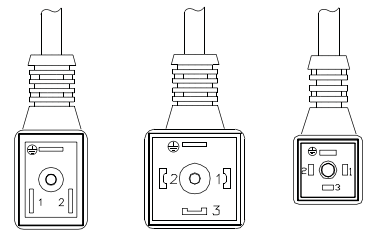
Housing Color
 0 - Black (standard)
 Translucent (if lighted)
 1 - Gray

Packaging Code
 A - Bulk
 G - Individual bagged
 L - Bulk MAC Screw
 N - Individual bagged MAC Screw

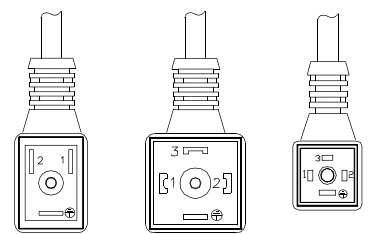


Normal polarity:
 1 = (+) Positive, Hot
 2 = (-) Negative, Neutral
 ⊕ = Chassis Ground

Ground Up:



Ground Down:



For convenience and faster shipping, this series is available in Can-Paks.

Quick-Ship Bulk Packs

All connectors come standard with integrated gasket.

Ordering Example:

5J360-251-US0A

8mm SM, 6 ft wire length, 2+ ground, 6-24V AC/DC 50/60 Hz, MOV, lighted, U.S.A. wire code / PVC jacket, standard housing color, bulk w/ Canfield p/n.

* 240 VAC voltage suppression and lighting not available.
 ** NOT available in 3+ ground.
 *** Rated 250V AC 50/60Hz, 300V DC.