

**canfield  
connector**

**5FR SERIES**  
RECTIFIED  
MOLDED  
SOLENOID VALVE CONNECTORS

## GENERAL DESCRIPTION

The Canfield Connector 5FR Series solenoid valve connectors incorporate a full-wave bridge rectifier inside a fully molded connector. The 5FR converts alternating current to direct current reducing coil burnout due to valve sticking. Also, direct current eliminates AC "hum" inherent to alternating current. 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 and makes it impossible to lose the gasket! Features bi-directional indicator lights, and load suppression (not intended for UL 1449). The 5FR Series is proudly made in the U.S.A.

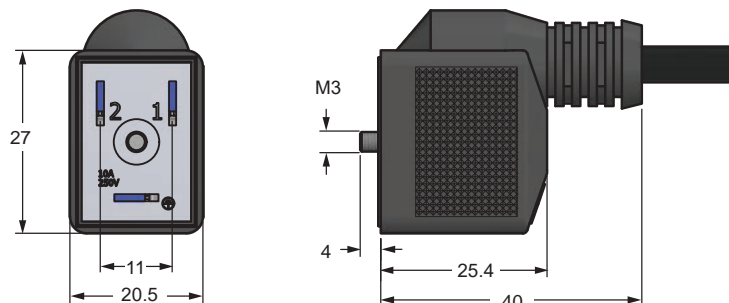


ISO, Unlighted version shown above

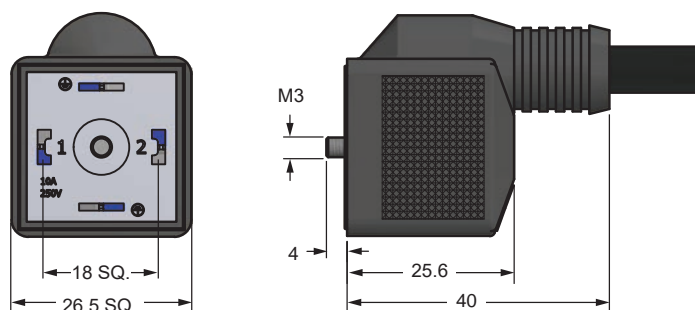
## DIMENSIONAL DATA

All dimensions are in millimeters unless otherwise noted.

### MINI



### ISO



## TECHNICAL DATA

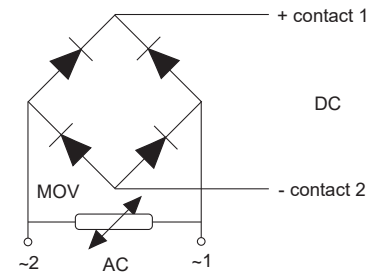
<b>Current Max.</b>	Continuous: 1 Amps Inrush: 15 Amps for 15 ms
<b>Voltage Max.</b>	250 VAC 50/60 Hz
<b>Voltage Drop</b>	2.2 Volts Max.
<b>Materials</b>	Enclosure: Polyurethane Gasket: Polyurethane
<b>Temperature Range</b>	-20° to +80°C
<b>Environmental Protection</b>	IP 67 AND NEMA 6, Dust tight and water resistant
<b>Cable Diameter</b>	ISO / MINI: EU (European) / US (U.S.A.): 0.275 ISO / MINI: HU (Hard Usage): .300
<b>Cable Conductor Colors</b>	EU Code: Blue, brown, yellow/green US Code: Black, green, white (Others available on request)
<b>Cable Type</b>	Pressure extruded PVC jacket Hard usage cordage "S" type with SJTOW standard PVC jacket (Others available on request)
<b>Wire Gauge</b>	18 AWG standard
<b>Size</b>	ISO: 18mm pin spacing - DIN Style "A" EN175301-803 MINI: 11mm pin spacing - Industry Standard
<b>Number of Contacts</b>	2+ ground

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

## WIRING INFORMATION

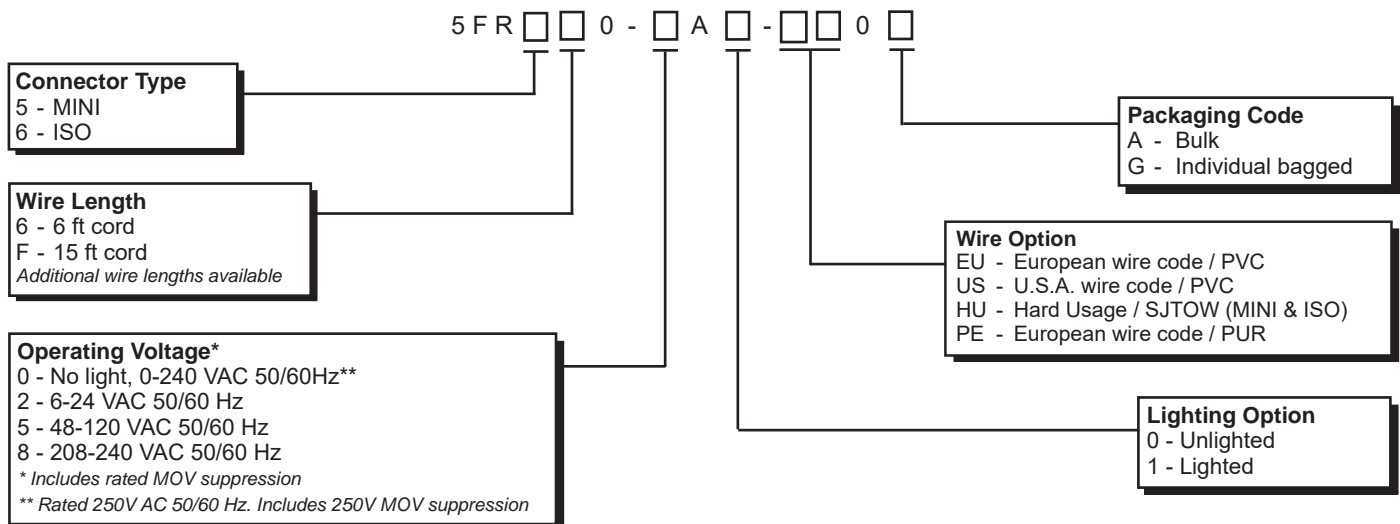
Terminal Configuration		
Wire Type	EUR	US / HU
Chassis Ground	YEL & GRN	GRN
(+) Pos. / Hot Pin 1	BRN	BLK
(-) Neg. / Neut. Pin 2	BLU	WHT


## SCHEMATIC



## ORDERING INFORMATION

All connectors come standard with integrated gasket and screw.



 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.

**Ordering Example:** 5FR660-2A1-US0A

ISO, 6 ft wire length, 6-24 VAC 50/60 Hz, Lighted, U.S.A. wire code / PVC jacket, bulk